



BRIDGETON LANDFILL

BRIDGETON LANDFILL THERMAL ISOLATION BARRIER INVESTIGATION PHASE 1 REPORT

BRIDGETON, ST. LOUIS COUNTY, MISSOURI

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Bridgeton Landfill Thermal Isolation Barrier Investigation Phase 1 Report

Bridgeton Landfill, LLC

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1 INTRODUCTION

This document presents the results of the Phase I Investigation of the potential location of a thermal isolation barrier between the permitted North Quarry Bridgeton Landfill and the adjacent West Lake Landfill Area 1. Specifically, this report describes the location, technology, and methodology used to obtain the data necessary to identify a proposed alignment and to develop design information for a thermal isolation barrier.

The investigations described in this report were conducted pursuant to the following work plans which were submitted to and approved by the United States Environmental Protection Agency (EPA) Region VII:

- Gamma Cone Penetration Test (GCPT) Work Plan, Revision 2, September 27, 2013
- Core Sampling (Phase 1B, 1C, and 2) Work Plan, Revision 1, January 8, 2014

Bridgeton Landfill is located within an area that contains the permitted Bridgeton Landfill sanitary landfills (including the North and South Quarry areas of the landfill) as well as the West Lake Landfill (pre-regulation and pre-permitting) sanitary landfill and construction & demolition landfill. Of particular note are two portions of the West Lake Landfill, identified as Areas 1 and 2, where in 1973, soil mixed with leached barium sulfate residue was placed as daily or intermediate cover material over and within solid waste disposed in these areas. The resultant mixture of solid waste mixed with soil containing leached barium sulfate residue is termed radiologically-impacted material (RIM). Areas 1 and 2 have been identified by the Environmental Protection Agency (EPA) as Operable Unit 1 (OU-1) of the West Lake Landfill Superfund Site. Remedial actions to address the presence of radiologically impacted materials within OU-1 Areas 1 and 2 are being directed by EPA (EPA, 2008 and EMSI, 2011).

A SSE is occurring at depth within the South Quarry of the Bridgeton Landfill. Bridgeton Landfill, LLC (Bridgeton Landfill) has implemented measures such as installation of an ethylene vinyl alcohol liner, installation of additional landfill gas extraction wells, installation and monitoring of temperature probes, and other activities to address the occurrence of an SSE in the South Quarry area of the landfill. Bridgeton Landfill is also evaluating potential options for construction of a thermal isolation barrier to be installed between the North Quarry area of the Bridgeton Landfill and the adjacent Area 1.

Prior investigations (NRC, 1982 and 1986, McLaren/Hart 1996, EMSI, 2000 and 2011) provided remedial investigation data that were used to define the extent of RIM in Area 1. Data obtained by these investigations indicated that the RIM was present beneath the northern portion of Area 1 and did not extend to the southern portion of Area 1, near the boundary of the adjacent North Quarry area of the Bridgeton Landfill. Based upon this data, Bridgeton Landfill had proposed that the optimal location of a thermal isolation barrier would be within Area 1 outside of the extent of RIM. Placement of the barrier within the southern portion of Area 1 would minimize the depth to which the barrier would need to be constructed and minimize the amount of refuse that would

need to be excavated and therefore result in reduced exposure, odors, potential bird attractant risk, time, cost and other potential impacts associated with construction of the barrier. The Phase I investigation was proposed to collect additional data to supplement the remedial investigation level data in order to identify a proposed alignment and develop design criteria for a thermal isolation barrier.

This Phase 1 Thermal Isolation Barrier Investigation Report documents the following items:

- The investigative procedures and techniques used to document the estimated locations of RIM based on the Gamma Cone Penetration Test (GCPT) initial screening methods,
- The investigative procedures and techniques used to document the estimated locations of RIM based on the samples collected and logging methods employed during the Sonic drilling activities,
- The investigative procedures and techniques used to document the estimated locations of RIM based on the sample methods used during the percussion geoprobe drilling activities,
- Results of the radionuclide analysis performed by Eberline Analytical on soil samples,
- The health and safety testing methods used during all phases of the investigation and test results, and
- Maps and figures to illustrate the spatial distribution of RIM with the originally contemplated thermal isolation barrier alignment.

This report and the findings herein will be used in discussions pertaining to the barrier alignment, and will be used to guide the next phase of the investigation.

1.1 PROJECT HISTORY

1.1.1 Site Conditions

In the 1970's West Lake Landfill received contaminated waste, including soil mixed with leached barium sulfate residues containing traces of uranium, thorium and their long-lived daughter products. The presence of the RIM resulted in the West Lake Landfill being designated as a Superfund site. For purposes of this report, RIM will refer to radiologically impacted material present at levels above that deemed appropriate for unrestricted use (see below). The RIM is located in two areas at the site: Area 1, which is adjacent to the North Quarry Landfill and thus is pertinent to this investigation; and Area 2, which is located along the northern portion of the site. Area 2 is approximately 1,000 feet (at the closest) from the outer boundary of the North Quarry Area and is separated from it by a road and a closed demolition landfill (Figure 1). Collectively, these two areas have been designated as Operable Unit 1 for the Superfund investigation and remediation activities while the rest of the site was designated as Operable Unit 2.

For purposes of this Report, and in accordance with previous determinations, direction and guidance from EPA (EPA, 1997, 1998, 2010 and 2013, and EMSI, 2011) RIM will refer to waste

material containing radionuclides at levels above those deemed appropriate for unrestricted use. Although the West Lake Landfill and adjacent Bridgeton Landfill, by virtue of being solid waste disposal facilities are subject to deed restrictions and regulatory controls on allowable land use such that unrestricted (i.e., residential) land use would not occur at the site, EPA previously indicated that consideration of the unrestricted use standard would eliminate the need for any controls or remedial actions relative to the presence of radionuclides. Specifically, the unrestricted use standards (used for purposes of this report to define RIM) include materials that contain combined radium-226 and radium-228 at levels greater than 5 pCi/g above background (i.e., 7.9 pCi/g); combined thorium-230 and thorium-232 at levels greater than 5 pCi/g above background (e.g., 7.9 pCi/g); and combined uranium greater than 50 pCi/g above background (e.g. 54.4 pCi/g) (EMSI, 2011). Although these criteria identify levels that would allow for unrestricted use of the site (which as indicated above is not realistic or allowed at a solid waste disposal facility), these criteria have no relationship to risk-based criteria for a solid waste landfill or levels that would be protective if an SSE were to occur in these materials. Nonetheless, these values will be used as “threshold values” for identification of RIM for purposes of the evaluations presented in this report.

1.1.2 Geology and Hydrogeology

The following information is presented or referenced in “Revised Supplemental Feasibility Study Report – Radiologically-Impacted Material Excavation Alternatives Analysis, West Lake Landfill Operable Unit 1, Bridgeton, Missouri”, prepared by EMSI, with FEI and Auxier & Assoc., Dec 2011.

1.1.2.1 Geology

The geology of the landfill area consists of Paleozoic-age sedimentary rocks overlying Pre-Cambrian age igneous and metamorphic rocks. The Paleozoic bedrock is overlain by unconsolidated alluvial and loess deposits of recent (Holocene) age.

The uppermost bedrock units near the landfill consist of Mississippian-age limestone and dolomite with inter-bedded shale and siltstone layers of the Meramecian Series. The Meramecian Series consists of several formations, including the Warsaw Formation, the Salem Formation, and the St. Louis Formation, that are present in the area of the West Lake Landfill.

The bedrock formations are overlain by Holocene-age alluvial deposits associated with the Missouri River and upland loess and glacial till deposits of Pleistocene age. The alluvial deposits range in thickness from 0 to 150 feet. Loess deposits are up to 100 feet thick. Glacial till deposits occur less frequently in the area of the site, but where present occur in layers up to 55 feet thick. The loess is an aeolian (windblown) deposit consisting primarily of silt and clay. Relatively thin loess deposits were reported to be present near the eastern portion of the site. The alluvial deposits typically consist of fine-grained (clay and silt) overbank deposits overlying poorly sorted, coarse-grained channel deposits of sand and gravel. The depth to bedrock and the thickness of the alluvial deposits increases to the west of the site where the thickness of alluvium (depth to bedrock) was reported to be 120 feet.

The St. Louis area is part of the New Madrid Seismic Impact zone. There is no indication that any Holocene-age faults are present at the site. Extensive geologic mapping of the quarry walls in the area of the inactive Bridgeton Sanitary Landfill performed as part of the OU-2 Remedial Investigation (RI) did not identify the presence of any faults in the bedrock units in that area.

1.1.2.2 Hydrogeology

Continuous groundwater is present in the unconsolidated alluvial deposits beneath and outside of Areas 1 and 2 and in the bedrock formations located beneath the site. Detailed discussions of the hydrogeology of the alluvial groundwater and bedrock groundwater are presented in OU-1 and OU-2 RI reports (EMSI, 2000 and Herst & Associates, 2005). A summary of pertinent information regarding the hydrogeology of the alluvial deposits in the vicinity of the landfill is presented below.

Alluvial deposits of varying thickness are present beneath Areas 1 and 2. The landfill debris varies in thickness from 5 to 56 feet in Areas 1 and 2, with an average thickness of approximately 36 feet in Area 1 and approximately 30 feet in Area 2. The underlying alluvium increases in thickness from east to west beneath Area 1. The alluvial thickness beneath the southeastern portion of Area 1 is less than 5 feet (bottom elevation of 420 feet above Mean Sea Level (MSL)), while the thickness along the northwestern edge of Area 1 is approximately 80 feet (bottom elevation of 370 feet MSL). The thickness of the alluvial deposits beneath Area 2 is fairly uniform at approximately 100 feet (bottom elevation of 335 feet MSL).

Previous water level measurements indicated that the water level elevations beneath and adjacent to Areas 1 and 2 were consistent, with only approximately 0.5 feet of variability in the water levels beneath these areas during any given set of measurements. Seasonally, the water levels varied by approximately 5 feet beneath and adjacent to Areas 1 and 2 (429 feet MSL in April 1995 to 434 feet MSL in July 1995). These water level elevations corresponded to depth-to-groundwater in these areas of at least 35-40 feet below ground surface (bgs) and generally nearer to 50 feet bgs beneath Areas 1 and 2. Consequently, groundwater is generally encountered in the underlying alluvium near or below the base of the landfill debris beneath Areas 1 and 2. As the measured elevations of groundwater in these areas are similar to the elevations of groundwater beneath Areas 1 and 2 (i.e., 429 to 434 feet MSL), the variations in depths-to-groundwater between Areas 1 and 2 and adjacent properties result from the higher ground surface topography of Areas 1 and 2 as compared to that of the adjacent properties.

Monthly groundwater levels measured in various landfill wells during the Remedial Investigations (EMSI, 2000 and Herst & Associates, 2005) indicated that groundwater generally occurs only in the underlying alluvium at or below the base of the landfill materials, with the exception of localized perched water conditions encountered in isolated areas within the landfill. Groundwater elevations varied seasonally and were generally lowest during the fall and winter months (September through March) and highest during the spring and summer months (April through August).

The regional direction of groundwater flow is generally northwesterly within the Missouri River alluvial valley. The RI data indicated a very small difference (less than one foot) existed in the water table elevations beneath the landfill, making interpretations of groundwater flow directions at the landfill difficult.

1.1.3 Previous Radiological Investigations

Previous investigations in the vicinity of the proposed thermal isolation barrier location did not contemplate construction of a physical structure; therefore, high-density geotechnical data does not exist. However, previous investigations have evaluated the presence of radiologically impacted materials at the West Lake Landfill using downhole gamma radiation logging of soil borings, collection and analyses of surface and subsurface soil samples, and overland gamma surveys.

1.1.3.1 *Prior Investigation Methods*

Downhole gamma radiation logging and overland gamma surveys were used as the primary detection methods for these investigations. In addition, soil samples were collected for analyses of uranium, radium, and thorium isotopes and their decay products as well as for non-radiological constituents. Results of these investigations are presented in the Soil Boring/Surface Sample Investigation Report (McLaren/Hart, 1996) and the OU-1 Remedial Investigation Report (EMSI, 2000). For reference purposes, the Soil Boring/Surface Sample Investigation Report is included as Appendix A. Eight radionuclides were identified as contaminants of concern based on their inclusion as radionuclides of concern in the Baseline Risk Assessment (Auxier & Associates, 2000): U238, U234, Th230, Ra226 and Pb210 from the U238 series; U235 and Pa231 from the U235 series, as well as Th232. Isotopes from the thorium-232 decay series may also be present at levels above background.

1.1.3.2 *Results of Previous Investigations*

Downhole gamma logging by McLaren/Hart in Area 1 found elevated radiation levels at depths varying from zero to sixteen feet below ground surface (bgs), while the thickness of the materials generally ranged from one to five feet in Area 1. In the northwest region of Area 1, elevated readings occurred at depths ranging from zero to six feet bgs, while to the southeast, elevated readings were found as deep as 15 feet bgs. The impacted area is illustrated in Figure 2.

An overland gamma survey by McLaren/Hart (1996a), "Overland Gamma Survey Report, West Lake Landfill, Radiological Areas 1 & 2, Bridgeton, Missouri, April 30, 1996" also reported gamma radiation above background at the ground surface. Results of the overland gamma survey are shown in Figure 2. Laboratory analyses of surface soil samples (the upper 6 inches) detected radionuclides at levels above 5 pCi/g above background at boring locations WL-106 and WL-114.

The 2011 Supplemental Feasibility Study (SFS) (EMSI, 2011) included a detailed estimate of the extent of RIM based upon the findings and analytical data contained within the Remedial Investigations. An outline of the known impacted material was created using the available boring data, as well as an outline of the known non-impacted area (see SFS Appendix B-2, Figures 3 and

4). Based on these boundary conditions, the estimated border of the RIM was interpolated between these two boundaries. These boundaries, the interpolated RIM limits, and borings used to estimate the limits are shown in Figure 2.

The SFS delineation of the extent of RIM was sufficient for purposes of developing and evaluating potential remedial alternatives for OU-1. In order to select an alignment for a potential thermal isolation barrier, more detailed information was needed regarding the exact location and extent of RIM along the south side of Area 1. In addition, geotechnical data to support the design or construction of the barrier were also required. The GCPT and Core Drilling investigations were designed and implemented to provide these data.

2 PREPARATION FOR INVESTIGATION

Prior to any investigation, the OU-1 Area 1 land required limited vegetation clearing to access the desired testing sites. The sites were originally numbered paths (1 through 16), and the original clearing concept was a generally west-to-east path along the originally contemplated alignment, while striking perpendicular paths toward the desired testing locations to the north or south of the originally contemplated alignment. For example, if Path 4 required 4 separate testing sites, then each site would be numbered 4-1, 4-2, 4-3 and 4-4. While this convention was altered several times due to field conditions, the general path and site nomenclature was used during the Phase 1 investigation. All equipment and personnel followed the radiological screening and safety protocols as discussed with the Phase 1 Work Plan and the complementary Health and Safety Plan (HASP).

2.1 PATHWAY VEGETATION CLEARING

As depicted on Figure 2, there were a total of 90 testing site locations, of which 84 were new boring locations and 6 were locations of prior borings that were re-tested to verify the effectiveness of the GCPT technique and to provide correlation between the GCPT results and the existing data. The existing conditions of Area 1 included woody overgrowth and trees which had to be cleared as necessary to allow access. This was performed in compliance with EPA-approved work plans. Paths were established which minimized the clearing while allowing access to all the testing locations. The vegetation was cleared by selective woody vegetation removal techniques which allowed small track-mounted machines to cut and leave the vegetation in place. This minimized soil disturbance.

The path for the test locations was determined by connecting nearby clearing paths which originated from a cleared baseline (approximately following the originally contemplated barrier alignment).

Before clearing the vegetation, the paths were guided by an on-site surveyor, and an Auxier & Associates (Auxier) on-site health physicist who conducted an overland gamma scan. A Ludlum 2221 ratemeter/scaler mated to a Ludlum 44-10 2x2" NaI detector was used to survey selected portions of ground surface within and around Area 1. This instrument was coupled to a Trimble GPS and operated in the ratemeter mode. This mode allowed the gamma count rate from the instrument to be collected at one-second intervals. The gamma measurement was assigned to its specific measurement location (latitude and longitude) via the Trimble GPS.

The operator held the detector approximately 30 cm above the ground surface and advanced across the areas of interest in a series of straight lines at a rate of approximately one meter per second. The separation distance between the lines was approximately 1.5 meters. After the survey, the field data was processed using a combination of industry-standard commercial computer applications (e.g., Trimble Pathfinder, Microsoft Excel and Microsoft Access). No areas containing surface RIM were encountered during the clearing operation.

The brush clearing was accomplished by using a skid steer rotary brush and tree cutter. Prior to using the rotary brush cutter, a demonstration of this machine was provided to the EPA On-Scene Coordinator to show that the machine would not generate dust if operated with moist vegetation. While the natural dew provided this moisture during the demonstration, a water truck was made available during the entire clearing operation to add moisture, if needed, to the vegetation.

The rotary brush cutter was attached to the front of a track-mounted skid steer tractor, so the cutting and grinding platform advanced ahead of the tractor and operator. The operator placed the cutting surface a few inches above the ground surface, and the ground wood chips were coarsely ground and left in place. This method provided an adequate surface for the geotextile.

This rotary device was used at the entrance gate approximately 50 feet into OU-1 Area 1, but after the first 50 feet, it was obvious that a steep 10-foot drop would preclude any testing devices from accessing OU-1 Area 1 from the existing south gate. Therefore, clean fill was delivered from the on-site borrow area and used to install an access ramp to the rest of the OU-1 Area. Even though no surface RIM was ever encountered, as a precaution, the on-site health physicist scanned the truck prior to leaving the OU-1 boundary to ensure no potential RIM would be transported out of the area.

Attempts were made to minimize the use of the rotary brush cutter as much as possible. After the fill material was placed and the rest of the OU-1 Area 1 was accessed, it was determined that much of the overgrowth was a thicket-type woody vegetation. This vegetation was able to be cut with a skid steer mounted tree shear, which hydraulically severed the stems of the vegetation just above the soil. This vegetation was placed to the side of the path. Also, where there was previously deposited inert fill material (see Section 2.4 for further discussion), weedy vegetation existed which only required the skid steer to flatten the vegetation without any brush cutting, after the health physicist scanned and determined that the area was free of surface RIM.

2.2 NEAR-SURFACE PREPARATION

Once the path was cleared, a crew deployed a 6-ounce per square yard non-woven geotextile, and then approximately 6-8 inches of rock aggregate was spread to advance gravel roads to each test location along the cleared alignments. This rock path network was installed to reduce the risk that soil contamination may be transmitted to the field crew, and minimize any rutting due to ingress and egress.

2.3 SURVEYING

Once the final location for the GCPT had been cleared and the gravel access corridor had been constructed, the surveyor affixed a stake at the proposed testing location. The stake was marked with a high visibility flag and then the testing number, Northing, Easting, and final ground surface

elevation were documented with permanent marker on the stake. This information was also recorded by the surveyor in a field book or data logger.

2.4 INERT FILL MATERIAL

During the investigation, it was discovered that a significant amount of inert fill material (typically concrete debris or off-specification brick material) had been placed on the eastern portion of OU-1, Area 1, as part of a 2006 MDNR-approved Materials Management Plan (EMSI, 2006). This was initially a concern, since GCPT is a push technology which was expected to have limited effectiveness in drilling through this type of material. In order to determine the locations of the inert fill material, a volume study was conducted between a 2005 topography used for other engineering studies and the current 2013 topography. Figure 3 shows the fills that were placed during this time period. Since closure of Area 1 in 1974, placement of inert fill material pursuant to the 2006 Materials Management Plan was the only time fill was placed in this area. Therefore, any calculated fills between the 2005 and 2013 topographic surfaces should represent inert fill material. Also, settlement would have occurred during this time, and so some of the fills may be greater than calculated (over 8 feet of fill placement).

3 GAMMA CONE PENETRATION TEST INVESTIGATION

Consistent with EPA approved work plans, the Phase 1 Gamma Cone Penetration Test (GCPT) investigation was the first of what was initially envisioned as a two-phased investigation to confirm the thermal isolation barrier location. The Phase 1 GCPT investigation was to be used to identify a potential alignment and to obtain initial geotechnical data for a potential thermal isolation barrier. This was to be followed by a Phase 2 investigation that would confirm the results obtained from the Phase 1 GCPT investigation and further verify the suitability of the proposed alignment. The assumption underlying this approach was that RIM beneath the area of the potential alignment of the thermal isolation barrier would not be encountered during the initial phase (Phase 1 GCPT).

The Phase 1 GCPT Investigation was detailed in the September 27, 2013 document entitled “Bridgeton Landfill – West Lake Landfill Gamma Cone Penetration Test (GCPT) Work Plan Revision 2” prepared by Feezor Engineering, Inc., P.J. Carey and Associates (PJC), Engineering Management Support, Inc., and Auxier. This work plan described the procedures and protocols to advance a piezocone in an array between the known RIM area in OU-1 Area 1 and the southern edge of OU-1 Area 1. Data were collected during each piezocone sounding regarding the stratigraphy, nature, and geotechnical properties of the materials as well as liquid levels, in support of the design of the thermal isolation barrier system. During each Cone Penetration Test (CPT) sounding, gamma radiation logging was performed using a proprietary device that is included in the equipment tool string behind the CPT head. The device used a Cesium Iodide crystal. The device differs from a typical downhole logging gamma detector in that it is part of the push rod system and therefore has greater shielding from the thicker rod walls and is smaller in diameter for the same reason. Even with the thicker rod walls, the device has been used successfully on other projects to detect the differences between clays and silts and therefore was considered to be an appropriate method for identification of RIM in Area 1. Furthermore, as discussed below, the validity of this technique was verified by drilling and logging within, or adjacent to, prior boreholes where RIM was encountered during previous investigations.

Tip force, sleeve force and pressure were all recorded as the push rods were advanced. Readings were taken at intervals not exceeding 5 cm. The type of soils, including waste materials, was inferred based on the analysis of combination of tip, sleeve and pore pressure values (referred to as dynamic pore pressure) while advancing. Work at other sites has demonstrated that interfaces between waste material and natural soil can be identified.

Results obtained during the Phase 1 investigation indicated the presence of unanticipated elevated gamma levels (over 200 cps) in some of the GCPT soundings in the southwestern portion of Area 1. Furthermore, some of the GCPT soundings in the eastern portion of Area 1 encountered refusal at depths shallower than anticipated and required further investigation to determine the bottom of refuse. Therefore, although originally it was anticipated that the next step in the investigation would have been a Phase 2 investigation to obtain specific geotechnical

data along the proposed alignment of a thermal isolation barrier, based on initial review of the Phase 1A results, it was clear that additional investigation was necessary in order to gather sufficient data to support design of a thermal isolation barrier. This resulted in the submission and approval of a Phase 1B, 1C and 2 Work Plan to further delineate apparent elevated gamma readings in the western portion of Area 1 and to determine the bottom of refuse in the eastern portions (FEI, 2013).

The narrative within this section discusses both the Phase 1A and the Phase 1B GCPT investigation procedures.

3.1 GOALS OF THE GCPT INVESTIGATION

The goals of the investigation were to gather the required geotechnical data for design and to document if the filled material within the proposed excavation area for the potential thermal isolation barrier alignment contained radiologically impacted material above an appropriate threshold value.

The primary goals of the GCPT investigation (Phase 1) were to:

- Determine the stratigraphy, nature, and geotechnical properties of subsurface materials for design purposes,
- Investigate whether any potential liquid issues for barrier construction exist,
- Determine if any RIM exists within the potential barrier excavation footprint,
- Determine depth to native material along the potential alignment, and
- Use the above information to select the best alignment for the proposed barrier.

3.2 PHASE 1A GCPT INVESTIGATION

3.2.1 Overview

A track-mounted rig was proposed for the project. The rig was to be able to supply 25 to 30 tons of down pressure. The track-mounted rig exerts a limited ground pressure (less than 4 psi) and did not require hold-down anchors. The rig was self-contained, with all equipment readout, recording and on-board electricity within the equipment cab.

ConeTec, Inc. from West Berlin, New Jersey performed the GCPT soundings. After their staff was properly trained with the General Employee Radiation Training (GERT), they conducted the GCPT soundings using a Nodwell TC-1 Track Rig. Before conducting the first GCPT sounding, a response check of the GCPT was performed with a check source (potassium carbonate K_2CO_3 which contains the naturally occurring isotope potassium 40). This response check was performed at the beginning of each new GCPT sounding. In addition, a background reading was also obtained before each sounding by inserting the tool string into a thick lead shield cylinder.

3.2.2 GCPT Calibration

Correlation to in situ conditions for verification of the various zonation algorithms occurred at soundings proximate to OU-1 RI soil borings WL-108, WL-111, and WL-119 as well as at the gamma sensor calibration holes, as described below. The GCPT device correlation was only between waste and in situ alluvium.

Three known elevated NRC (RMC, 1982) soil boring locations (identified as PVC boring locations in the 1996 McLaren/Hart soil boring investigation based on the presence of remnant PVC casing at each location) were used to test the correlation between the GCPT gamma responses to types and activity levels of radionuclides identified at the same depths. Initially, the PVC-38 boring location was proposed due to the level of subsurface gamma response identified by the 1996 study. However, adverse ground conditions (e.g., severe slope and drop-off) that posed a significant health and safety risk to site workers necessitated abandoning this location (performed in consultation with EPA representatives). The use of the PVC-28 boring location was then selected based on the subsurface gamma response in the 1996 investigation. However, as discussed in Section 2.4 of this report, this area was covered by construction and demolition fill, so the existing PVC pipe was not discovered. As can be seen on Figure 3, the PVC-28 location had a January 20, 2005 starting elevation of 471.6 feet above Mean Sea Level (MSL). The surveyed elevation of this sounding in the field prior to the GCPT advancement was 480.4 feet above MSL, which resulted in a vertical difference of approximately 8.8 feet. The McLaren/Hart gamma log for PVC-28 (see Appendix A) depicts a maximum gamma response of approximately 132,000 counts per minute (cpm) at approximately 14 feet deep. While the response and instrumentation were different from the GCPT instrumentation, the previous result was converted to counts per second (cps) which are the units the GCPT device uses. Therefore, by dividing this result by 60 (seconds per minute), a gamma reading of 2,200 cps was expected approximately 14 feet below the 2005 surface. (This is 22.8 feet beneath the current surface, due to the placement of the construction and demolition debris).

The GCPT device tried a separate location but refusal was encountered at 20.0 feet. The GCPT was relocated a few feet away for another attempt, and this was successfully advanced to 38.6 feet as GCPT-28A. This sounding had a maximum gamma reading of 1,375 cps at 24.9 feet. While the maximum gamma limit in cps was less than the PVC-28 value reported in the 1996 survey, finding an elevated subsurface gamma response at approximately the same interval indicated that the GCPT device was capable of detecting elevated gamma radiation from Radiologically Impacted Material (RIM). In addition, the original PVC pipe was covered by the inert fill, so the original location may have been a few feet from the GCPT location, which could have varied the gamma response.

The next gamma sounding occurred at location PVC-25. This was in an area devoid of any additional inert fill, so the old PVC pipe was discovered, which allowed the GCPT device to be lowered into the actual borehole. The McLaren/Hart gamma log for PVC-25 (see Appendix A) depicts a maximum gamma response of approximately 72,000 cpm at approximately 9 feet deep.

Dividing this result by 60 (seconds per minute), a gamma reading of 1,200 cps was expected approximately 9 feet below the surface. GCPT-25 was advanced to a depth of 30.84 feet, and a maximum gamma reading of 1,248 cps was encountered at 8.4 feet below the surface. This result further validated the concept of using the GCPT device as a screening tool.

The third and final calibration boring occurred at PVC-36. This one was selected since the McLaren/Hart gamma log for PVC-36 depicts a maximum gamma count of approximately 14,000 cpm at 8 feet below the surface. This was a very low gamma count compared to the rest of the potentially elevated borings, so this boring was selected to see if the GCPT could detect lower gamma readings. Dividing this result by 60 (seconds per minute), a gamma reading of 233 cps was expected approximately 8 feet below the surface. GCPT-36 was advanced to a depth of 18 feet within the discovered PVC pipe, and a maximum gamma reading of 323.2 cps was encountered at a depth of 8.2 feet. This also validated the use of the GCPT device to screen for slightly elevated gamma readings.

3.2.3 Health Physics Screening

After each GCPT test, the downhole tool string was scanned and decontaminated before proceeding to the next test location. The screening was conducted by an Auxier health physicist, who alerted the ConeTec crew that moving the rig was permitted since it was free from contamination. This screening was documented and is discussed in Section 5.3.9.1 of this report.

3.2.4 Phase 1A Investigation

The GPCT crew conducted soundings between November 13, 2013 and November 25, 2013, at a total of 68 GCPT sites after the calibration effort was completed. These sites can be seen on Figure 2 and are summarized in Table 1. Once the surveyor identified the location of the proposed sounding, the GCPT rig mobilized over the sounding location and advanced the sounding. After the sounding was complete and the Health Physicist conducted a radiation survey to confirm the absence of any contamination (see Section 5.3.9.1), the operators removed the tool string. The operators backfilled the hole with bentonite pellets and inserted an “as-built” flag, with the sounding name, within the actual boring location. The surveyor would return periodically during the investigation (typically at the end of each workday) and survey the actual location for as-built documentation.

3.2.5 Phase 1A Results

Results of the Phase 1A GCPT work are presented in Appendix B. The geotechnical data is included in Appendix B1, while the relevant pore water pressure dissipation tests are included in Appendix B2. The Phase 1A GCPT depths, maximum gamma readings and the depths associated with the maximum gamma readings are summarized in Table 1 and presented graphically within Figure 4.

The Phase 1A GCPT data were used as a screening tool. A screening value of 200-250 cps was used to identify potentially elevated gamma readings. Review of the results of the gamma logging of the GCPT soundings indicated that elevated gamma readings were present in some of

the GCPT soundings drilled in the southwestern portion of Area 1 and near the transfer station. GCPT soundings with reported elevated gamma readings include the following:

- GCPT 1-2
- GCPT 2-2B
- GCPT 2-3A
- GCPT 3-1A
- GCPT 4-1
- GCPT 4-2
- GCPT 5-1
- GCPT 5-2
- GCPT 5-3
- GCPT 6-3
- GCPT 7-3 (possible)
- GCPT 8-1 (possible)
- WL-119 (possible)

Review of the results of the GCPT work indicated that RIM may be present beneath the southwestern portion of Area 1 outside of the previously confirmed area of RIM. Elevated gamma readings were obtained from depth intervals of approximately 23.3 to 36.7 feet bgs in thirteen of the GCPT soundings drilled in the southwestern portion of Area 1, specifically soundings 1-2, 2-2B, 2-3A, 3-1A, 4-1, 4-2, 5-1, 5-2, 5-3, 6-3, and 8-1 (see Figure 4). The actual thicknesses of elevated GCPT gamma readings are as follows:

- GCPT 1-2 - 1.7 feet
- GCPT 2-2B - 1.7 feet
- GCPT 2-3A - 1.8 feet
- GCPT 3-1A - 0.2 feet and 1.4 feet (2 intervals separated 3.8 feet apart)
- GCPT 4-1 - 3.4 feet
- GCPT 4-2 - 0.9 feet
- GCPT 5-1 - 2.5 feet
- GCPT 5-2 - 1.8 feet
- GCPT 5-3 - 5.1 feet
- GCPT 6-3 - 1.7 feet
- GCPT 7-3 - 0.1 feet
- GCPT 8-1 - 0.7 feet
- WL-119 - 0.5 feet

The occurrence of RIM in this area was previously unknown since it falls between locations tested in conjunction with the Remedial Investigation for OU-1 (EMSI, 2000). Furthermore, the depths

at which these materials were encountered were great enough that the overlying solid waste provided sufficient shielding such that these materials were not identified by either the overland gamma surveys conducted by the NRC (RMC, 1982), or in conjunction with the RI work (McLaren/Hart, 1996), or by the aerial survey recently conducted by EPA (EPA 2013), or the overland gamma survey conducted with this investigation.

The other GCPT sounding locations which had elevated readings within the Phase 1A investigation were GCPT 12-1, GCPT 13-1, and GCPT 14-1. However, these were placed within the boundary of interpolated RIM locations based upon the previous RIM delineations, so these elevated RIM locations were not unexpected.

Since the results of the Phase 1A GCPT investigation indicated that RIM may be present in unexpected areas, an additional mobilization of the GCPT rig was necessary. This second mobilization was to further define the boundary of the elevated gamma readings along the southwestern portion of OU-1 Area 1. In addition, several of the GCPT soundings in Phase 1A encountered shallow refusal due to the inert fill (discussed in Section 2.4) in some of the 13 series and 14 series soundings. A technique was used to drill through this 4 to 10-foot layer of inert fill, which then would allow the GCPT tool string to be hydraulically pushed through the debris. These techniques are discussed in Section 3.3.

3.3 PHASE 1B GCPT INVESTIGATION

3.3.1 Overview

ConeTec, Inc. from West Berlin, New Jersey performed the GCPT soundings for the Phase 1B investigation. For this series of investigations, ConeTec used a Sterling C5 Truck Rig which was self-contained, with all equipment readout, recording and on-board electricity within the equipment cab. The same staff from ConeTec from the Phase 1A investigation returned to conduct the Phase 1B investigation, so no additional GERT training was required.

3.3.2 GCPT Calibration

Even though ConeTec, Inc. used the same gamma module as was used in the Phase 1A investigation, the EPA On-Scene Coordinator requested a demonstration of calibration since a new GCPT rig was being used. ConeTec returned to PVC-25. On January 29, 2014, the GCPT rig lowered the tool string into the same PVC pipe that was used in the earlier calibration. The McLaren/Hart gamma log for PVC-25 (see Appendix A) depicts a maximum gamma response of approximately 72,000 cpm at approximately 9 feet deep. Dividing this result by 60 (seconds per minute), a gamma reading of 1,200 cps was expected approximately 9 feet below the surface. GCPT PVC-25R was advanced to a depth of 30.0 feet, and a maximum gamma reading of 1,242.7 cps was encountered at 9.5 feet below the surface. The maximum gamma was detected at an interval within 1 foot of the McLaren/Hart Log, and therefore this was deemed as an appropriate screening tool with the new GCPT rig.

Before each hole, the gamma sensor was placed in a lead-shielded cylinder to establish background and was then placed in a cylinder containing potassium carbonate for the purpose of performing a response check to ensure the gamma sensor was working properly.

3.3.3 Health Physics Screening

After each GCPT test, the downhole tool string was scanned for any radioactive contamination before proceeding to the next test location. The screening was conducted by an Auxier health physicist, who alerted the ConeTec crew that moving the rig was permitted since it was free from contamination. This screening was documented and is discussed in Section 5.3.9.1 of this report.

3.3.4 Phase 1B Investigation

The Phase 1B investigation included 13 new GCPT site locations (GCPT 1C-1 through GCPT 1C-13), and a few new locations along existing paths (GCPT 2-4, GCPT 5-5, GCPT 5-6, GCPT 6-6, and GCPT 9-4). In addition, due to shallow refusals in some of the 13 and 14 path series Phase 1A GCPTs, the following GCPT soundings were advanced after a sonic rig drilled seven 10-foot deep “pilot holes” through the construction and demolition waste described in Section 2.4. These GCPT locations were:

- GCPT 13-4S
- GCPT 13-5S
- GCPT 13-6S
- GCPT 13-7S
- GCPT 14-3S
- GCPT 14-5S
- GCPT 14-6S

The GPCT crew conducted soundings between January 29, 2014 and February 20, 2014, at a total of 26 GCPT sites after the calibration effort was completed. These sites can be seen in Figure 2. Once the surveyor identified the location of the proposed sounding, the GCPT rig mobilized over the sounding location and advanced the sounding. After each GCPT test, the downhole tool string was surveyed for any radiological contamination before proceeding to the next test location. The screening was conducted by an Auxier health physicist, who alerted the ConeTec crew that moving the rig was permitted since it was free from contamination. This screening is documented and discussed in Section 5.3.9.1 of this report. The operators then grouted the hole with a tremie pipe in the borehole up to a depth of approximately 2 feet below ground surface. The slurry consisted of a combination of neat cement and bentonite and had a solids content of no less than 20%. The top of the hole was sealed with bentonite pellets and an “as-built” flag, with the sounding name, was placed in the actual sounding location. The surveyor would return periodically during the investigation (typically at the end of each workday) and survey the actual location for as-built documentation.

3.3.5 Phase 1B Results

Results of the Phase 1B GCPT work are presented in Appendix B. The geotechnical data is included in Appendix B1, while the pore water pressure dissipation tests are included in Appendix B2. The Phase 1B GCPT depths, maximum gamma readings and the depths associated with the maximum gamma readings are summarized in Table 2 and presented graphically within Figure 4.

The Phase 1B GCPT data were used a screening tool. A screening value of 200-250 cps was used to tentatively identify possible RIM. Initial review of the results of the gamma logging of the GCPT soundings indicate that elevated gamma readings were present in some of the GCPT soundings advanced within this phase of the investigation.

GCPT soundings with reported elevated gamma readings include the following:

- GCPT 2-2C (advanced again to test data collection over time)
- GCPT 5-5
- GCPT 5-6
- GCPT 6-6
- GCPT 1C-2R
- GCPT 1C-4R
- GCPT 1C-6 Series (1C-6, 1C-6T, 1C-6T1)
- GCPT 1C-12

The 1C-6 Series borings were advanced at multiple locations within this area to assess the variability of the gamma distribution within a limited space.

Review of the results of the Phase 1B GCPT work further indicated that RIM may be present beneath the southwestern portion of Area 1 in the area of possible preferred alignments for a thermal isolation barrier. Specifically, elevated gamma readings were obtained from depth intervals of approximately 21.3 to 56.9 feet bgs in ten of the GCPT soundings drilled in the southwestern portion of Area 1. The actual thicknesses of elevated GCPT gamma readings are as follows:

- GCPT 2-2C - 0.9 feet
- GCPT 5-5 - 4.1 feet
- GCPT 5-6 - 3.6 feet
- GCPT 6-6 - 2.9 feet
- GCPT 1C-2R - 2.7 feet
- GCPT 1C-4R - 0.7 feet
- GCPT 1C-6 - 1.8 feet
- GCPT 1C-6T - 1.6 feet
- GCPT 1C-6T1 - 1.5 feet
- GCPT 1C-12 - 1.3 feet

The occurrence of RIM in this area was previously unknown since it falls between locations tested in conjunction with the Remedial Investigation for OU-1 (EMSI, 2000). Furthermore, the depths at which these materials were encountered were great enough that the overlying solid waste provided sufficient shielding such that these materials were not identified by either the overland gamma surveys conducted by the NRC (RMC, 1982), or in conjunction with the RI work (McLaren/Hart, 1996), or by the aerial survey recently conducted by EPA (EPA 2013), or the overland gamma survey conducted with this investigation.

The geotechnical parameters that were collected during the investigation were used to supplement the actual coring analysis, so an independent lithology and water elevation review was not conducted during either phase of the GCPT investigation but is discussed in Section 7.

4 PHASE 1C INVESTIGATION

4.1 OVERVIEW

The primary goal of the Core Sampling investigation (Phase 2) was to quantify subsurface concentrations of isotopic elements within the thermal isolation barrier potential alignment investigation area. This was to involve:

- Installation of a sufficient number of boreholes to verify the GCPT data within the thermal isolation barrier investigation limits,
- Produce radiometric logging data from each soil core,
- Collect samples of soil materials from each length of the borehole (minimum 2 per borehole),
- Generate downhole gamma logs to be used to select soil sample intervals for offsite laboratory analysis from each borehole,
- Submit soil samples to a certified, independent laboratory for radiological analyses, and
- Determine type of waste/subsurface material (i.e., rock, municipal solid waste, construction and demolition waste, etc.) within the column of each borehole.

Since the Phase 1A and Phase 1B GCPT investigation identified potential RIM that was outside areas previously identified, the Phase 2 investigation was not initiated. Rather, a Phase 1C investigation was proposed to collect samples within the previously scanned GCPT areas, especially collecting samples to further assess conditions in the vicinity of GCPT borings that produced elevated gamma responses.

Phase 1C consisted of both sonic drilling locations and percussion geoprobe locations.

4.2 SONIC DRILLING

Sonic drilling technique was used to advance the borings and collect core samples during the Phase 1C investigation. Sonic drilling is commonly used for geoenvironmental investigative programs. Sonic drilling offers the benefits of collection of continuous soil cores, easier penetration through intervals of hard materials, significantly reduced drill cuttings and reduced fluid production as compared to other drilling methods. The recovered continuous core sample provides a representative lithological column for review and analysis. The ability to cause vibration to the casing string eliminates the complication of backfill bridging common to other drilling methods and reduces the risk of casing lockup allowing for easy casing withdrawal during grouting.

There was a possibility that the cutting action, as the sonic drilling bit passed through the formation, could cause disturbance to the soil structure along the borehole wall. The vibratory action of directing the sample into the sample barrel and then vibrating it back out could cause

distortion of the specimen. Core samples were hydraulically extracted from the sample barrel to reduce distortion.

4.2.1 Sonic Drilling Procedure

Frontz Drilling from Wooster, Ohio advanced the sonic drilling borings from January 14, 2014 to February 25, 2014. A total of 16 sonic borings were advanced at the locations described in Section 4.2.2. An outer casing was advanced first, and then a sampler was advanced to collect the sample within the interval being drilled. Once the sampler was removed from the borehole, a sample collection sleeve was fitted to the sampler and the sample was hydraulically extracted into the sampling sleeve. Borings were completed using either a 5-foot or 10-foot sampling run, dependent on field conditions.

Samples were indexed by their borehole designation, top versus bottom of each run, and depth of interval in feet bgs. The Auxier health physicist scanned the sample to see if there were any elevated radiation levels that could affect handling of the sample. If a sample was initially flagged as elevated, the health physicist notified the crew as an additional safety consideration. Samples were delivered and stored in a Conex box within the designated radiation zone (within the fence surrounding the RIM-impacted area). Samples were then geologically logged, photographed, scanned for radiation, and samples for radiological analyses were selected.

Upon completion of the borehole coring, a lower bentonite plug was placed from the bottom of the boring up to a depth 3 feet below the bottom of the waste. Solid 2-inch diameter PVC pipe was temporarily installed in the boring down to the depth of the lower bentonite plug. The temporary PVC casing was installed to allow for downhole gamma logging to be performed in each boring. The PVC pipe was secured at the surface with a temporary support device to prevent the pipe from rising out of the borehole due to buoyancy effects. Once the gamma scan was completed and the data reviewed and approved by Auxier, the PVC pipe was removed. The borehole was typically open for 24 hours or less, but a maximum of 48 hours was allowed to complete the downhole logging unless a mechanical breakdown or a significant inclement weather event occurred. After the downhole gamma logging was completed, the lower bentonite plug was removed with the sonic rig and a tremie pipe was used to place grout slurry in the borehole up to a depth of approximately 2 feet below ground surface. The slurry consisted of neat cement and bentonite, and had a solids content of no less than 20%. Borehole abandonment was completed by backfilling the top 2 feet of the borehole with bentonite pellets. The tremie pipe was radiologically surveyed and decontaminated using the same procedures set forth in Section 7.1.2 of the *Core Sampling (Phases 1B, 1C, and 2) Work Plan – Revision 1*.

4.2.2 Sonic Borehole Locations

The borehole locations selected for sonic drilling were based on GCPT data results from the Phase 1A and 1B Investigations. Sonic borehole locations were selected for two purposes:

- To explore the bottom of waste; and

- To collect waste samples from intervals where elevated gamma responses were observed.

In addition to the 16 sonic borehole locations, pilot boreholes were pre-drilled at several locations with the sonic rig to remove subsurface obstructions that otherwise would have prevented deeper GCPT soundings. The pre-drilled pilot holes were discussed previously in Section 3.3.4.

Pilot holes were pre-drilled through the inert fill to allow for performance of the GCPT investigation at the following locations:

- 13-4S
- 13-5S
- 13-6S
- 13-7S
- 14-3S
- 14-5S
- 14-6S

The following sonic borehole locations were selected in the western portion of OU-1 Area 1 if GCPT data indicated the potential for RIM:

- 1-2
- 2-2
- 5-3
- 1C-6

The remaining sonic borehole locations were selected to further understand slightly elevated GCPT sounding results and included:

- 8-1
- WL-119

Table 3 summarizes the locations, dates, total depth, and depth of waste information for each borehole drilled using the sonic technique.

4.2.3 Geological Examination of Soil Core

A geologist/field engineer reviewed the core samples and logged the boring based upon the cores and the corresponding depths. Sonic drilling boring logs are included as Appendix C. A geologic log for each boring was developed and is provided in Appendix C1. A photo log of the core was also assembled for each boring. Photo logs are included in Appendix C2.

4.2.4 Borehole Gamma Logging

Once the borehole reached its total depth, a temporary 2-inch diameter PVC sleeve was inserted into the hole to prevent its collapse. A 1-inch sodium-iodide (NaI) probe with a long cable was lowered into the casing and used to record 1-minute gamma radiation measurements at half-foot (6 inch) intervals along the length of each borehole. These measurements were recorded in cpm and the depth of each measurement was recorded as depth bgs in negative feet. For example, the depth of a gamma measurement taken at 3.5 feet bgs was recorded as “-3.5 feet”. This “gamma log” was used to identify the depth bgs of the subsurface soil layers producing elevated radiation levels. Results from the downhole borehole gamma logging are provided in Appendix C3.

4.2.5 Core Gamma Scanning

Concurrent with borehole logging, radiation levels from the soil core were determined by taking 1-minute integrated gamma measurements at 1-foot intervals along the length of the core(s) with a Ludlum Model 2221 meter coupled to a Ludlum 44-20 3x3 inch NaI detector. Core scanning results are also included on the borehole logging reports in Appendix C3.

Due to the poor recovery of some cores (some less than 50%), the listed sample interval may vary from the actual depth from which the sample was collected. The sample could be either from the top of that run or anywhere within the void. An example is sonic borehole 5-3 with 72% recovery (43 of 60 inches). The sample interval was listed as 33 – 34 feet bgs, but due to diminished recovery, the actual sample location could have been as low as 34.5 feet bgs. Thus, there are instances when the core gamma scan, downhole scan, and sampled interval depths may not coincide exactly. However, it is important to note that each core scan corresponds to the sample run number indicated on the borehole log.

4.3 PERCUSSION GEOPROBE

Recovery of waste samples was frequently less than originally expected with the sonic drilling method, and in some locations samples from target intervals identified by the GCPT investigation were unobtainable. A third drilling technology was deployed, using a Geoprobe 8040-DT with general adherence to the procedures outlined in ASTM D6282-98. Roberts Environmental Drilling of Milstadt, Illinois, conducted percussion geoprobe drilling from March 6, 2013 to March 13, 2013. The Geoprobe 8040-DT used either a 4.5-inch diameter rod (which collected a 3-inch diameter sample) or a 3.5-inch diameter rod (which collected a 1.85-inch diameter sample) to collect 5-foot interval samples.

Several attempts had to be made with the Geoprobe at various sites due to early refusal. The method was modified to blind drill through to the target interval, and then to attempt to obtain a core a few feet above, within, and below the target interval. Blind drilling was performed because the Geoprobe sampler would often be clogged by various items within the trash or by small rocks, resulting in refusal. Fifteen boreholes were drilled at the following locations. Location and elevation information for each location is provided on Table 4.

- 1-2
- 1C-2RA
- 1C-6T1
- 2-2
- 2-3
- 1C-4R (2 Locations)
- 1C-12 (3 Locations)
- 8-1 (2 Locations)
- WL-119 (3 Locations)

Each borehole drilled with the Geoprobe was abandoned using a tremie pipe to install grout slurry in the borehole from the borehole bottom depth up to approximately 2 feet bgs. The slurry consisted of neat cement and bentonite, and had a solids content of no less than 20%. The top 2 feet of the borehole was backfilled with bentonite pellets. The Geoprobe tool string and the tremie pipe were radiologically surveyed and decontaminated, if necessary, using the same procedures set forth in Section 7.1.2 of the *Core Sampling (Phases 1B, 1C, and 2) Work Plan – Revision 1*.

4.4 SOIL SAMPLING

Soil samples were collected from both the sonic-drilled cores and the samples collected from the percussion geoprobe. Intervals with elevated gamma readings were selected for offsite laboratory analyses. In addition, randomly selected samples were collected from each boring such that at least two samples from each boring were submitted for offsite laboratory analyses. In general, a 500 to 700 gram soil sample was collected. The depth of the sample was determined by measuring from the top of the actual core sample material. For example, if only 3 feet of core were recovered from a given 5-ft core sample interval (i.e., 60% recovery), the available core was assumed to have been obtained from the upper 3-foot interval for purposes of assigning a depth interval to the core sample.

As stated above, at some locations poor core recovery resulted in variables in the sampling nomenclature. Samples were measured from the top of the core of each run. Due to the poor recovery of some borings, it is difficult to know exactly from what depth the named sample originated. However, sampled intervals were determined based on the gamma scan of the core samples to ensure that the interval sampled would be representative of any possible elevated RIM. The maximum deviation in elevation of the sample would be the sampling run length (either 5 feet or 10 feet), multiplied by the one minus the percent recovery (e.g., for a 60% recovery over a 5-foot interval, the maximum deviation would be 40% times 5 feet, or 2 feet).

4.4.1 Sample Handling and Shipping

Each sample was placed in a zip-lock bag and the bag was completely sealed. The outside of the bag was marked with a unique identification number and dated.

To be consistent with the system used in previous sampling campaigns, unique sample identifiers consisted of an alpha-numeric code including the area label, the borehole identifier, the sample type and matrix, followed by the sample depth. The numeric portion of the sample identifier describing the depth was separated from the borehole information by a dash “-”. The starting and ending depths were also separated by a dash. The identifiers for this sampling campaign are listed below:

- Project Management Firm (FEE)
- Site Name (BR)
- Sample Type and Matrix: IS (investigation soil)
- Borehole ID: A three digit descriptor of the borehole location, such as 12-5 for the fifth borehole along corridor 12 or equivalent. Note the 2-digit number designating the numerical order along the corridor (01, 02,...10, etc.). This is desirable when sorting results for presentation.
- Sample Depth: This consisted of start and stop sample depths in feet with a dash between the two depths, such as 002-003 (2-3 feet).

For example, the above sample would be labeled:

FEEBRIS12-5.002-003.

The zip-lock plastic sample bags were stored in a secure location in a manner that maintained chain-of-custody requirements until they were ready for shipment. Once samples were selected for laboratory analysis, they were double-bagged, logged on a chain-of-custody form, and placed in a cooler or a similar water-tight container. The chain-of-custody form for that sample was placed in the cooler until shipment. Prior to sealing the cooler, the cooler was surveyed with a Ludlum Model 19 microR meter or equivalent to document compliance with 10 CFR 49 Department of Transportation requirements for shipping radiological materials. The original chain-of-custody form was placed in the cooler and a copy retained at the Site. The cooler was completely and securely sealed prior to shipment. Copies of chain-of-custody forms are included in Appendix D.

4.4.2 Sample Processing

All core samples were sent to Eberline Analytical of Oak Ridge, Tennessee, for analysis of radionuclides. All samples were packaged and shipped to the laboratory in accordance with United States Department of Transportation (USDOT) regulations.

Upon receipt, the coolers were opened and the samples checked against the chain-of-custody forms. All samples were weighed prior to drying. After the samples were dry, they were reweighed and then ground to promote homogeneity.

4.4.3 Sample Analysis – Alpha and Gamma Spectroscopy

Eberline Analytical performed the sample processing and analysis. Eberline Analytical successfully participates in annual performance testing such as that conducted by Environmental

Protection Agency and the Department of Energy (i.e., the Mixed Analyte Performance Evaluation Program, or MAPEP).

Eberline used two types of analyses to quantify radionuclides in the samples. Isotopic thorium and isotopic uranium were determined using alpha spectroscopy (EML U-02 for isotopic uranium and EML Th-01 for isotopic thorium). Radium-226 and radium-228 activities were inferred from their gamma emitting decay products after a 30-day hold time. A full laboratory report of all detected gamma emitters was also requested (LANL ER-130).

4.4.4 Laboratory Reports

Analytical results were sent in electronic format from the laboratory to Auxier. Laboratory analytical data was recorded digitally and maintained in a relational database. Full Level IV laboratory reports containing documentation of the analytical process, QA/QC data and analytical instrument performance were sent in electronic or paper format from the laboratory to Auxier and EMSI. These analytical reports included:

- Copies of completed chain-of-custody forms,
- Instrument calibration and/or instrument quality control records,
- Results for blanks and spikes associated with the reported results,
- Results for duplicates,
- Sufficient documentation to reproduce calculated results from instrument responses, and
- A case narrative describing the analytical process used to produce the published results.

The laboratory data was validated in accordance with the guidance set forth in the Multi-Agency Radiological Laboratory Analytical Procedures Manual [MARLAP] (EPA, 2004). The validation allowed the data management team to evaluate the level of confidence that a reported result accurately represents the concentration of an analyte in a sample. By validating the reported results, validators assessed the laboratory's performance, identified systematic errors, and judged the laboratory's degree of compliance with the quality assurance requirements of the project. The Eberline Analytical data reports and Auxier data validation reports are included in Appendix E. The laboratory reports and validation packets will be maintained at Auxier.

Table 5 includes a summary of the samples taken and the resulting combined thorium, combined radium, combined uranium, and the potassium-40 (a gamma-emitter reported by the laboratory and commonly found in soil) results. Table 6 depicts the individual thorium analytical results (thorium-230 and thorium-232) and the combined thorium calculations. Table 7 depicts the individual radium analytical results (radium-226 and radium-228) and the combined radium calculations. Table 8 depicts the individual uranium analytical results (uranium-234, uranium-235, and uranium-238) and the combined uranium calculations. Results of the laboratory analyses are discussed further in Section 7 of this report.

5 HEALTH AND SAFETY ACTIVITIES

5.1 HEALTH & SAFETY CRITERIA

The health and safety of personnel working at the West Lake OU-1, Area 1 site was of the highest priority for the investigation work described in this report. The investigation work at the West Lake OU-1, Area 1 site was performed under the following two Health and Safety Plans:

- 1) Gamma Cone Penetration Test (GCPT) Health and Safety Plan – Revision 1, dated September 10, 2013, and
- 2) Core Sampling (Phases 1B, 1C, and 2) Health and Safety Plan, dated December 18, 2013.

The importance of health and safety was highlighted in the training and orientation provided to personnel working on the site. Individuals working at the site were also informed that it was crucial that all applicable regulations be followed in the performance of this project.

5.2 RADIOLOGICAL CONTROLS

Appropriate procedures were instituted to avoid any significant exposure to individuals during the project. Radiation surveys were conducted by Auxier prior to the construction of gravel paths on which vehicles and individuals could access the various sampling locations. By staying on the newly constructed gravel paths, any potential contamination to individuals, vehicles and equipment was avoided. All personnel were also required to wear appropriate personal protective equipment. Auxier performed a radiation survey of individuals and equipment when exiting Area 1 to confirm the absence of any radiological contamination. Each individual entering Area 1 was also required to wear a thermoluminescent dosimeter to measure external radiation exposure. In addition, various air samples were collected to measure airborne radioactive material. Such air sampling consisted of lapel air samplers, air sampling near the actual job-site location, as well as air sampling near the job-site trailer and the transfer station.

5.3 HEALTH AND SAFETY MONITORING

Various methods were used to ensure the health and safety of the individuals working on the project. In addition to the required training that the workers received and the use of personal protective equipment (PPE), the following monitoring activities were conducted to assess and prevent exposure:

- TLD monitoring;
- Lapel air sampling
- Specific work site area air sampling
- General area air sampling

- Four gas monitoring
- Daily personnel radiation surveys
- Field radiation surveys
- Investigation derived waste sampling

5.3.1 Thermoluminescent Dosimetry Monitoring

Thermoluminescent dosimeters (TLD) provided by Miron Technologies were used to monitor worker exposure to external sources of radiation. They were assigned to a total of 23 individual workers upon their arrival at the site and the TLDs were exchanged with new ones from Miron on a quarterly basis. Assigned TLDs were issued to personnel each morning and then collected for storage at the job trailer at the end of each work day. TLDs were a required component of the personal protective equipment worn by workers whenever they entered an area managed under a Radiation Work Permit.

The results reported by Miron Technologies indicate no individual received an exposure above, or even approaching the regulatory limits. The two highest exposures reported were 14 millirem and 10 millirem. All the remaining personnel working on the site were reported as receiving zero millirem. To place these results in context, the annual dose limit for radiation workers is 5,000 millirem per year.

5.3.2 Lapel Air Sampling

Lapel air sampling devices were used to monitor for any radiation exposure received by workers as a result of inhaling airborne radioactive material. Lapel air sampling devices were worn by a representative worker or workers in closest proximity to the actual job site location, and where the potential for any airborne radioactive material would be the highest. Air samples were analyzed at Eberline Analytical of Oak Ridge, Tennessee and the results were validated by Auxier. A summary of the results of the lapel air sampling is presented in Appendix F. (The Eberline Analytical data reports and Auxier data validation reports are also provided in Appendix F.)

Analysis of the results indicates no individual received an inhalation radiation dose in excess of, or even approaching, the allowable occupational dose limit of 5,000 mrem/y. The maximum credible inhalation dose¹ for the 4th Quarter of 2013 was 29 millirem, or 0.6 percent of the annual limit. The maximum credible inhalation dose for the 1st Quarter of 2014 was 54 millirem, or 1.1 percent of the annual limit¹.

¹ Calculated by using the highest recorded daily air concentration (as indicated by the lapel air samples) to calculate an inhalation dose for each day and summing these maximum doses as though the samplers were always on the same worker, even though they were not. This method of dose calculation overestimates the actual doses because it includes the contribution from naturally occurring levels of airborne radioactivity in addition to any site-related radionuclides.

5.3.3 Specific Work Site Area Air Sampling

Due to the relatively low volume of air that can be sampled by the lapel air sampling devices, an additional high volume air sampling device was used to monitor for the presence of any airborne radioactive material. This air sampling device was placed adjacent to the work site in the downwind sector. A summary of the results of the specific work site area air sampling is presented in Appendix F. Analysis of the results indicates all samples were well below the regulatory limit of 5,000 mrem/y. The inhalation dose² for the 4th Quarter 2013 was 29 millirem or 0.6 percent of the annual limit. The inhalation dose for the 1st Quarter 2014 was 13 millirem, or 0.3 percent of the annual limit².

5.3.4 General Area Air Sampling

In addition to the specific work site area air sampling, two stationary high volume air sampling stations were established. One station was set up adjacent to the job site trailer and the second station was set up adjacent to the transfer station. Each air sampling device was located in a weather protective housing. A summary of the results of the general area air sampling is presented in Appendix F. Analysis of the results indicates all samples were well below the regulatory limit of 50 mrem/y. The inhalation dose³ for the 4th Quarter 2013 was 0.08 millirem or 0.2 percent of the annual limit. The inhalation dose for the 1st Quarter 2014 was 0.7 millirem, or 0.01 percent of the annual limit³.

5.3.5 Four Gas Monitoring

Monitors designed to detect the presence of gases, specifically oxygen, hydrogen sulfide, carbon monoxide and methane were worn by a representative worker or workers in closest proximity to the actual job site location.

5.3.6 Daily Personnel Radiation Surveys

In addition to the various methods described above to monitor for any radiation exposure workers may have received, Auxier performed contamination surveys of all individuals exiting Area 1. No radioactive contamination was detected on any of the individuals egressing from Area 1.

5.3.7 Free Release Contamination Surveys

A free release contamination survey was performed on all equipment used inside the restricted area. Direct contamination surveys were performed with a Ludlum model 2360 radiation survey instrument and a model 43-93 probe (or equivalent). In addition, the equipment was monitored for any removable contamination by swiping 100 cm² areas on portions of the equipment that were in contact with the soil surfaces. The smear samples were analyzed on a Ludlum model

² Air concentrations as measured on the specific work site air samples were converted to inhalation dose and summed. This method of dose calculation overestimates the actual doses because it includes the contribution from naturally occurring levels of airborne radioactivity in addition to any site-related radionuclides.

³ Air concentrations as measured on the general area air samples were converted to inhalation dose and summed. This method of dose calculation overestimates the actual doses because it includes the contribution from naturally occurring levels of airborne radioactivity in addition to any site-related radionuclides

2929 scaler, coupled to a Ludlum model 43-10-1 detector. The fixed alpha release limit was 100 dpm/100 cm² average, and the fixed beta-gamma release limit was 5000 dpm/100 cm² average. The removable alpha release limit was 20 dpm/100 cm² average, and the removable beta-gamma release limit was 1000 dpm/100 cm² average. All free release contamination survey results were well below applicable final release limits. See Appendix G for copies of the free release survey forms (Appendix G1) and data results (Appendix G2).

5.3.8 Field Radiation Surveys

Radiation surveys were performed in the field as the various methods were used to characterize the site. The purpose of the radiation surveys was to not only be fully cognizant of any possible radioactive contamination present, but also to ensure that there would be no cross-contamination between test locations.

5.3.8.1 GCPT Surveys

Auxier performed radiation surveys of the GCPT tool string as it was being removed from each sounding location. Each section of tool string rod was individually surveyed by wiping the rod to collect any removable radioactive contamination that may be present and then performing a radiation survey of the wipe with a Ludlum model 2360 radiation survey instrument connected to a Ludlum model 43-93 alpha/beta scintillation detector. Any radiation survey results indicating removable alpha radiation above 20 dpm/100 cm² or removable beta-gamma radiation above 1000 dpm/100 cm² would be considered contaminated. No contamination was found to be present on the tool string sections as they were removed from the sounding locations.

A Photo Ionization Detector (PID) was also used to monitor for volatile organic compounds (VOCs) as the tool string was removed from each sounding location. No VOCs were detected by the PID.

5.3.8.2 Sonic Drilling Surveys

Auxier performed radiation surveys of the Sonic drilling casings as they were being removed from each boring location. Each section of casing was individually surveyed by wiping the exterior surface of the casing to collect any removable radioactive contamination that may be present. The interior of each casing was also wiped to collect any removable radioactive contamination that may be present. The wipes were then surveyed with a Ludlum model 2360 radiation survey instrument connected to a Ludlum model 43-93 alpha/beta scintillation detector. Any radiation survey results indicating removable alpha radiation above 20 dpm/100 cm² or removable beta-gamma radiation above 1000 dpm/100 cm² would be considered contaminated. The only location where radioactive contamination was present on the casing sections was at Sonic 5-3. This casing was therefore subjected to additional decontamination (brushing and washing) and re-checked until it was no longer contaminated. The decontamination materials were contained and retained for further disposal. Removable contamination on all tool string sections was below unconditional release limits.

A PID was also used to monitor for VOCs as the casings were removed from each boring location. No VOCs were detected by the PID.

5.3.8.3 *Geoprobe Drilling Surveys*

Auxier performed radiation surveys of the Geoprobe drilling casings as they were being removed from each boring location. Each section of casing was individually surveyed by wiping the exterior surface of the casing to collect any removable radioactive contamination that may be present. The wipes were then surveyed with a Ludlum model 2360 radiation survey instrument connected to a Ludlum model 43-93 alpha/beta scintillation detector. Any radiation survey results indicating removable alpha radiation above 20 dpm/100 cm² or removable beta-gamma radiation above 1000 dpm/100 cm² would be considered contaminated. No contamination was found to be present on the casing sections as they were removed from the borehole locations.

A PID was also used to monitor for VOCs as the casings were removed from each boring location. No VOCs were detected by the PID.

5.3.9 Investigation - Derived Waste Sampling

Investigation - Derived Waste (IDW) samples were collected from spoils associated with the sonic drilling and Geoprobe techniques as well as from spoils resulting from use of a water knife to locate underground utilities. Water samples were collected from the water associated with the sonic drilling activities, as well as from rain water that had collected in the decontamination pad.

Appendix H lists the various IDW samples collected, including the date the sample was collected, the location from which the sample was collected, the sample identification number, date of shipment of the sample, FedEx tracking number, date received by Eberline Analytical, Eberline Work Order number, date the sample result was received from Eberline Analytical, and date the sample data validation report was received from Auxier.

All IDW is currently stored within the OU-1 Area 1 fenced in area with locked gates. Once all sample analyses have been completed, an IDW disposal proposal will be submitted to EPA. IDW will be disposed in accordance with EPA approval.

6 HISTORIC TOPOGRAPHY RESEARCH

Based upon review of historic images, it was determined during the investigation that a deeper quarry existed in the southeast portion of OU-1 Area 1 that could be problematic to the barrier design. In addition, to assess the potential vertical distribution of RIM, it was desirable to know the historic topography at intervals closer to the time period RIM was received at the facility.

Based upon invoices from the trucking company that hauled the material to the West Lake site, the Nuclear Regulatory Commission (NRC) concluded that RIM was disposed of in Area 1 and 2 between July 31 and October 12, 1973 (NRC, 1976). Therefore, Surdex Corporation was contacted to investigate if stereo paired photographs existed for the Bridgeton area before and after this date (1973). It was discovered that Surdex possessed historical stereo paired photographs that were taken on March 12, 1971 and April 6, 1975 that could be used to develop topography using photogrammetric techniques.

Contour maps of the topography of the landfill area on these two dates were developed using the procedures described below. The ground surface elevations that existed at the landfill on these two dates were subsequently compared to the intervals in which RIM was identified based on the sampling performed as part of this investigation (see discussions in Section 7). The purpose of these comparisons was to evaluate the validity of using these topographic surfaces as a means of bounding the possible extent of RIM associated with Area 1.

6.1 DEVELOPMENT OF HISTORICAL TOPOGRAPHY MAPS

Feezor Engineering retained Surdex Corporation to develop the 1971 and 1975 topographic maps and orthorectified digital images. During the flights conducted to collect the aerial photographs, a high-precision aerial mapping camera with a nominal focal length of 153 millimeters as calibrated by the United States Geological Survey (USGS) was used that achieved photogrammetric accuracies based on ASPRS Class 2 standards for 5' contour intervals. Current conditions were evaluated using ground control surveys by Global Positioning System (GPS) surveys produced in 2012, then densified through aerial triangulation to control the older photography. This comparison included the following practices for precision and accuracy:

- Feezor Engineering, Inc. used recognizable site features such as the landfill office building and road intersections to register this drawing and topography to the local site coordinate system.
- Elevations were based upon ellipsoidal heights that were modified by the latest geoidal model available.
- Horizontal and Vertical Control conformed to Third Order Class II standards as stated in the publication "Standards and Specifications for Geodetic Control Networks," National Oceanic and Atmospheric Administration, Federal Geodetic Control Committee, September 1984.

- The coordinates were based on the Missouri State Plane Coordinate System, East Zone, North American Datum (NAD) of 1983. The elevations were based on Mean Sea Level, North American Vertical Datum (NAVD) of 1988. All units were based in U.S. Survey feet.

Surdex technicians collected visible and identifiable features from the aerial photography that are generally shown on maps at 1"=200'. Suredex digitized the planimetric features in the 3-D stereo environment following industry accepted practice. Contours and Spot Elevations were generated from a photogrammetrically compiled digital terrain model. Contours were shown at 5-foot vertical intervals. Suredex produced orthorectified digital aerial image tiles consistent with the shapefile area of OU-1. The orthoimage tiles were provided at a horizontal scale of 1"= 200' and a ground elevation resolution of 2.0 feet.

Once these images and topographies were developed, the Phase 1A, 1B, and 1C investigative locations were superimposed onto both topographic drawings, and these surfaces were used in the development of the cross sections discussed in Section 7. The Phase 1 investigation superimposed onto the 1971 topography is illustrated in Figure 9, while the Phase 1 investigation superimposed onto the 1975 topography is illustrated in Figure 10.

7 RESULTS AND CONCLUSIONS

7.1 DELINEATION OF MATERIALS ENCOUNTERED

7.1.1 General Classification

Materials encountered during the investigation were divided into 4 general strata;

- Fill – near-surface fill materials that had been placed above the Waste Materials, typically consisting of inert construction and demolition debris, surface soils placed as intermediate or final cover, and earthen fills placed to facilitate the performance of borings or access,
- Waste Materials – defined as all materials below the surface that contained mixed wastes, cover soils and other non-naturally occurring fill materials (e.g., soil or aggregate that may have been associated with access or random fills during quarry operations or sediment deposited in low zones during filling or quarry operations exterior to the actual quarry walls),
- Alluvium – Sands, Silty Sands, Sandy Silts and other fine grained soils lying atop the bedrock beneath the fills (naturally deposited soils beneath those classified as Waste Materials were all designated Alluvium for this stage of the reporting), and
- Bedrock

Samples of materials were obtained and visually identified as belonging to one of the aforementioned stratum by the field geologist logging the borehole for borings advanced using the sonic drilling method. Identification of strata using the results of the GCPT probes is described in Section 7.1.2.

7.1.2 GCPT Strata Evaluation

The GCPT data was analyzed to delineate the changes in stratigraphy at all soundings that were advanced to sufficient depth. Those probes reaching refusal at shallow depths were not utilized because additional probes, with and without pre-drilling, were available.

The analysis included the consideration of the Soil Behavior Type (SBT), which divides soils into 12 types, and computation of Zone after Eslami and Fellenius (2004) (performed by PJ Carey and Associates using the cone data), which provides a simpler 5 soil types. The localized variability of gamma counts, cone tip resistance and dynamic pore pressure were also considered. Visually-identified material changes in the sonic test borings adjacent to some of the soundings were also utilized, along with logs from borings performed previously at the site (the WL-series). An illustration of the zonation associated with the Eslami-Fellenius approach is included in Appendix B3.

Based on the considerations above, the thickness of fill materials and the transition from waste to naturally occurring soils were identified in each of the soundings. The upper fill materials were

most easily identified by the consistency of the readings and were found to range from sands, sands and gravels or gravels, to silty clay or other fine soils. The waste materials were characterized by their wide range of soil behavior types (independent of zonation method) as is depicted in Figures 20 and 21 relative to the underlying alluvial materials. As can be seen in the aforementioned figures, the waste materials had a more normal distribution over a wide range of Eslami–Fellenius zones or SBT. The alluvium, in contrast, was dominated by Zones 4 and 5 in the Eslami-Fellenius zone and SBTs 6 through 9. Zones 4 and 5 correspond to Sandy Silt and or Silty Sand and Sand and or Sandy Gravel. SBT 6 through 9 represent Sandy Silts to Sands. Neither the Zones nor the SBT were normally distributed for the alluvium, as is evidenced by the shape of histograms.

7.1.3 Bottom of Waste Materials

Based on the above methods the bottom of waste materials was determined in each of the borings and soundings. The results are presented in Table 9 and presented in Figure 21 as a map of the elevation of bottom of waste.

7.2 LIQUID LEVELS FROM GCPT INVESTIGATIONS

The pore pressure dissipation tests (ppd) during the GCPT soundings, along with the dynamic pore pressures during the push phase of soundings, were analyzed to determine if and where continuous zones of saturated void space was apparent in the soundings. It should be mentioned that a significant number of ppd tests were performed in the waste materials well above any indication of continuous pore water occurrence. PPD tests in the waste materials may possibly yield some indication of waste permeability, but many were seen to exhibit anomalous behavior typical of the presence of plastic and paper product in the waste, or saturated perched zones surrounded by impervious materials. The ppd tests toward the bottom of the waste and within the alluvium were analyzed by PJ Carey and Associates. Those ppd test results within the alluvium indicating a static or semi-static result (inclusive of possible continuous saturation but with some downward gradient) are presented in Table 10 and are indicated in the comments as having been based on ppd tests.

Dynamic pore pressures were analyzed in each of the GCPTs not having a ppd test near the base of the sounding and having exhibited a pattern of increasing pore pressure with increasing depth for a range of depth. The data was analyzed by assuming a location of the top of saturated zone and a unit weight of water. When a visual fit between slope of the dynamic pore pressure line and the hypothetical line of pressure generated by the distance below the top of an assumed saturated zone multiplied by the assumed unit weight of water was observed, the depth was taken as an indication of the top of the saturated zone. Unit weights of water were assumed to be 62.4 pcf or less, allowing the consideration of downward gradients in fitting the measured pore pressure ($Downward\ Gradient = 1 - \frac{assumed\ unit\ weight}{62.4\ pcf}$). The resulting top of zone of saturation is also presented in Table 10. No values are presented for GCPT soundings that did not indicate zones of continuous saturation.

An evaluation of the GCPT dynamic pore pressure measurements along with the pore pressure dissipation tests identified that aside from occasional perched water levels, zones of continuous saturation at pressure were located slightly above or below the bottom of waste, or in the alluvial materials where the alluvium is present. Typical water levels varied from elevation 425 to 440 feet MSL, with some higher values indicated where downward gradients were apparent. Higher shallow groundwater elevations were measured in the 16 GCPT series which were outside the main waste body on the east side of the investigation area.

The water elevations suggest that free liquids should be expected to be encountered in excavations extending below the bottom of waste into the alluvium. Open excavations, uncased or un-stabilized braced excavations, and drilled holes are likely to have stability issues under these conditions.

7.3 ELEVATED RADIOLOGICAL SAMPLES

Based upon the results of the sampling and laboratory analysis, RIM material with reported activity levels greater than the threshold values (combined radium of 7.9 pCi/g; combined thorium of 7.9 pCi/g; and combined uranium of 54.4 pCi/g – see discussion in Section 1.1.1) was present at the following locations. As discussed previously in Section 4.4.4, laboratory analytical results for thorium, radium, uranium, and potassium 40 are provided in Tables 5 through 8. Radionuclide results are also plotted adjacent to each borehole location on Figures 5 through 8 for combined thorium, combined radium, combined uranium, and potassium 40, respectively.

- Geoprobe 2-2
- Geoprobe 2-3
- Geoprobe 8-1B
- Geoprobe 1C-12B
- Geoprobe 1C-12C
- Sonic 1-2
- Sonic 1C-6
- Sonic 5-3
- Sonic 8-1A
- Sonic 15-2

7.3.1 Geoprobe 2-2

The sample collected from 31-32 feet below grade at the Geoprobe 2-2 location displayed combined thorium and combined radium at levels greater than the threshold values (see prior discussion in Section 1.1.1) (Table 5). Based upon a surface elevation of 475.3 feet MSL, this sample was taken from approximately 444.3 to 443.3 feet MSL. The estimated ground elevation at the Geoprobe 2-2 location from the 1971 topography was measured at 436.6 feet MSL, while the ground elevation from the 1975 topography was measured at 453.6 feet MSL. Therefore, this sample was collected at an elevation between the 1971 and 1975 ground surfaces. Please

note the measurement of elevations from the 1971 and 1975 topography maps were interpolated, and each map has a ground elevation resolution of ± 2 feet.

7.3.2 Geoprobe 2-3

The sample collected from 34-35 feet below grade at the Geoprobe 2-3 location had a combined thorium activity greater than the threshold value (Table 5). The sample taken from 35-36 feet below grade displayed combined thorium and combined radium activities that were greater than the threshold values (Table 5). Based upon a surface elevation of 476.5 feet MSL, these samples were collected between approximately 442.5 to 440.5 feet MSL. The estimated ground elevation at the Geoprobe 2-3 location from the 1971 topography was measured at 435.3 feet MSL, while the ground elevation from the 1975 topography was measured at 444.8 feet MSL. Therefore, this sample was collected at an elevation between the 1971 and 1975 surfaces (within the ground elevation resolution for the 1971 and 1975 topographic maps discussed in Section 7.3.1).

7.3.3 Geoprobe 8-1B

The sample collected from 28-29 feet below grade at the Geoprobe 8-1B location had a combined thorium activity greater than the threshold value (Table 5). Based upon a surface elevation of 479.7 feet MSL, this sample was collected between approximately 451.7 to 450.7 feet MSL. The estimated ground elevation at the Geoprobe 8-1B location from the 1971 topography was measured at 440.6 feet MSL, while the ground elevation from the 1975 topography was measured at 470.3 feet MSL. Therefore, this sample was collected at an elevation between the 1971 and 1975 surfaces (within the ground elevation resolution for the 1971 and 1975 topographic maps discussed in Section 7.3.1).

7.3.4 Geoprobe 1C-12B

The sample collected from 54-55 feet below grade in Geoprobe 1C-12B had a combined thorium activity greater than the threshold value (Table 5). Based upon a surface elevation of 499.7 feet MSL, this sample was collected between approximately 445.7 to 444.7 feet MSL. The estimated ground elevation at the Geoprobe 1C-12B location from the 1971 topography was measured at 431.6 feet MSL, while the ground elevation from the 1975 topography was measured at 463.3 feet MSL. Therefore, this sample was collected at an elevation between the 1971 and 1975 surfaces (within the ground elevation resolution for the 1971 and 1975 topographic maps discussed in Section 7.3.1).

7.3.5 Geoprobe 1C-12C

The sample collected from 55-56 feet below grade in Geoprobe 1C-12C contained combined thorium and combined radium activity levels greater than the threshold values (Table 5). Based upon a surface elevation of 500.2 feet MSL, this sample was collected between approximately 445.2 to 444.2 feet MSL. The estimated ground elevation at the Geoprobe 1C-12C location from the 1971 topography was measured at 431.6 feet MSL, while the ground elevation from the 1975 topography was measured at 463.3 feet MSL. Therefore, this sample was collected at an

elevation between the 1971 and 1975 surfaces (within the ground elevation resolution for the 1971 and 1975 topographic maps discussed in Section 7.3.1).

7.3.6 Sonic 1-2

The sample collected from 39-40 feet below grade in Sonic 1-2 displayed a combined thorium activity level greater than the threshold value (Table 5). Based upon a surface elevation of 472.6 feet MSL, this sample was collected between approximately 433.6 to 432.6 feet MSL. The estimated ground elevation at the Sonic 1-2 location from the 1971 topography was measured at 441.5 feet MSL, while the ground elevation from the 1975 topography was measured at 441.1 feet MSL. Therefore, this sample was found approximately between 7.9 and 8.9 feet below the 1971 surface. Ten other samples were obtained from this boring, all from depths located above this particular sample and none of which displayed thorium or other radionuclide activity levels greater than the threshold values (Table 5). In addition, the geologic logging of this boring indicated that the 39-40 feet bgs sample was collected from the alluvium (The base of landfilled material was identified at 30 feet bgs, below which remnant concrete and fill material was present to 35 feet bgs, and below which alluvium was present to the total borehole depth of 43 feet bgs.). (See the borehole log for Sonic 1-2 in Appendix C-1 and core photographs for Sonic 1-2 in Appendix C-2.) The 39-40 foot depth sample was obtained from an interval of very dark, grayish brown, dense silt with fine sand.

7.3.7 Sonic 1C-6

The samples collected from 24-25 feet and 25-26 feet below grade from Sonic 1C-6 displayed combined thorium activity levels greater than the threshold value (Table 5). The sample collected from 26-27 feet below grade contained combined thorium and combined radium activity levels greater than the threshold values. Based upon a surface elevation of 469.2 feet MSL, these three samples were collected between approximately 445.2 to 442.2 feet MSL. The estimated ground elevation at the Sonic 1C-6 location from the 1971 topography was measured at 443.0 feet MSL, while the ground elevation from the 1975 topography was measured at 442.2 feet MSL. Apparently there was grading work performed between 1971 and 1975. Therefore, with the tolerance of the estimated topographic elevations based on the historical aerial photogrammetry, these samples could have been obtained from an interval between the 1971 and 1975 topographic surfaces.

7.3.8 Sonic 5-3

The sample taken from 25-26 feet below grade from Sonic 5-3 had a combined thorium activity level greater than the threshold value (Table 5). The sample taken from 28-29 feet below grade from this boring displayed combined thorium, radium, and uranium activity levels greater than the threshold values. The sample obtained from 29-30 feet below grade displayed a combined thorium activity level greater than the threshold value and the sample taken from 33-34 feet below grade displayed combined thorium and combined radium activity levels greater than the threshold values. Based upon a surface elevation of 474.4 feet MSL, these four samples were located in the interval from approximately 449.4 to 440.4 feet MSL. The estimated ground

elevation at the Sonic 5-3 location from the 1971 topography was measured at 431.6 feet MSL, while the ground elevation from the 1975 topography was measured at 468.6 feet MSL. Therefore, all of these samples were collected at elevations between the 1971 and 1975 surfaces (within the ground elevation resolution for the 1971 and 1975 topographic maps discussed in Section 7.3.1)

7.3.9 Sonic 8-1A

The sample collected from 44-45 feet below grade in Sonic 8-1A displayed a combined thorium activity level greater than the threshold value (Table 5). Based upon a surface elevation of 479.4 feet MSL, this sample was collected between approximately 435.4 to 434.4 feet MSL. The estimated ground elevation at the Sonic 8-1A location from the 1971 topography was measured at 440.7 feet MSL, while the ground elevation from the 1975 topography was measured at 470.5 feet MSL. Therefore, this sample was collected approximately 6.3 feet below the 1971 surface. However, as can be seen from the 1971 topography (see Figure 9), site 8-1 was near the active quarrying activities, so the 1971 surface may have been quarried further before filling-in commenced and thus landfilling of material at this elevation in 1973 is plausible.

7.3.10 Sonic 15-2

The sample collected from 24-25 feet below grade in Sonic 15-2 displayed a combined thorium activity level greater than the threshold value (Table 5). Based upon a surface elevation of 476.9 feet MSL, this sample was collected between approximately 452.9 to 451.9 feet MSL. The estimated ground elevation at the Sonic 15-2 location from the 1971 topography was measured at 449.0 feet MSL, while the ground elevation from the 1975 topography was measured at 450.8 feet MSL. Therefore, this sample was collected approximately 2.1 feet above the 1975 surface. However, as can be seen from the 1975 topography (see Figure 10), site 15-2 was near the active quarrying activities, so RIM material may have been pushed from other sites to this site during grading after the RIM materials were received in 1973. In addition, the 1971 and 1975 topography have a resolution of 2 feet, so this could be a resolution issue.

7.4 DISCUSSION OF CROSS SECTIONS

Based upon the GCPT analysis discussed in Section 7.1.2, PJC developed cross sections using the Rockworks Software which incorporated the lithology from the GCPT and the lithology from the sonic investigations. The gamma response data from the GCPTs, from the downhole sonic data, and from the gamma response scans from the previous WL-series that were generated from the 1996 McLaren/Hart gamma logs (Appendix A) are also provided on the cross sections. Included with each cross section are the current topography, the 1971 topography, the 1975 topography, and the lithology of each “site” investigated within the section. The following cross section discussions focus on the gamma response perspective. Radiological analytical results are presented in Section 7.3.

7.4.1 Cross Section A-A'

Cross Section A-A' begins at GCPT 1C-1 and continues through Sonic 16-3 (see Figure 11). The boring locations transected by cross section A-A' are GCPT 1-2, GCPT 2-3A, GCPT 3-2, GCPT 4-2, GCPT 5-4A, GCPT 6-4, Sonic WL-119, GCPT 8-1, GCPT 9-3A, GCPT 10-3A, GCPT 11-3, GCPT 12-3, PVC-41, GCPT 14-3s, GCPT 15-3, and Sonic 16-3. The alignment of cross section A-A' is generally west-to-east.

There were 4 GCPT sites along cross section A-A' which indicated an elevated gamma response:

- GCPT 1-2: elevated response between 448.1 and 446.4 feet MSL;
- GCPT 2-3A: elevated response between 441.7 and 439.9 feet MSL;
- GCPT 4-2: elevated response between 445.5 and 444.6 feet MSL; and
- GCPT 8-1: elevated response between 451.0 and 450.3 feet MSL.

The elevated response distributions along cross section A-A' appear to indicate discontinuous discrete pockets of potential RIM, especially at the GCPT 4-2 and the GCPT 8-1 locations.

7.4.2 Cross Section B-B'

Cross Section B-B' begins at GCPT 1-1A and continues through GCPT 1C-7 (see Figure 12). The boring locations transected by cross section B-B' are GCPT 1-1A, GCPT 1-2, GCPT 1C-2R, Sonic 1C-6, GCPT 1C-6T, and GCPT 1C-7. The alignment of cross section B-B' is generally north-to-south.

There were 3 GCPT sites and 1 sonic site along cross section B-B' which indicated an elevated gamma response:

- GCPT 1-2: elevated response between 448.1 and 446.4 feet MSL;
- GCPT 1C-2R: elevated response between 443.0 and 440.3 feet MSL;
- GCPT 1C-6T: elevated response between 446.9 and 445.3 feet MSL; and
- Sonic 1C-6: elevated response between 447.2 and 445.7 feet MSL.

The elevated response distributions along cross section B-B' could indicate a continuous layer of RIM between the 1-2, 1C-2, and the 1C-6 sites. However, the three elevated sites are bound by non-elevated readings at the 1-1 and 1C-7 sites.

The 1-2 and 1C-6 sites showed elevated gamma levels above the 1975 surface (6.4 feet to 4.4 feet above). RIM materials may have been pushed from other sites during grading after the RIM materials were received in 1973. The sites where the elevated gamma levels are above the 1975 surface represent a fairly small area.

7.4.3 Cross Section C-C'

Cross Section C-C' begins at GCPT 4-1 and continues through GCPT 1C-10 (see Figure 13). The boring locations transected by cross section C-C' are GCPT 4-1, GCPT 4-2, GCPT 1C-4R, and GCPT 1C-10. The alignment of cross section C-C' is generally north-to-south.

There were 3 GCPT sites along cross section C-C' which indicated an elevated gamma response:

- GCPT 4-1: elevated response between 446.8 and 443.4 feet MSL;
- GCPT 4-2: elevated response between 445.5 and 444.6 feet MSL; and
- GCPT 1C-4R: elevated response between 442.5 and 442.0 feet MSL.

The elevated response distributions along cross section C-C' appear to indicate a thin continuous layer. It also appears that early refusal in GCPT 1C-10 did not sufficiently bound this potential RIM location, but the thickness in 1C-4R of 0.5 feet should be noted as a thin interval.

7.4.4 Cross Section D-D'

Cross Section D-D' begins at WL-105A and continues through GCPT 1C-12 (see Figure 14). The boring locations transected by cross section D-D' are WL-105A, GCPT 5-2, Sonic 5-3, GCPT 5-5, GCPT 5-4A, and GCPT 1C-12. The alignment of cross section D-D' is generally northwest-to-southeast.

This cross section originated from the WL-105A boring from the previously defined RIM location.

There were 3 GCPT sites and one sonic site along cross section D-D' which indicated an elevated gamma response:

- GCPT 5-2: elevated response between 448.2 and 446.4 feet MSL;
- GCPT 5-5: elevated response between 446.5 and 442.4 feet MSL;
- GCPT 1C-12: elevated response between 444.5 and 443.2 feet MSL; and
- Sonic 5-3: elevated gamma response between 446.9 and 442.4 feet MSL.

These elevated response distributions along cross section D-D' appear to indicate that sites 5-2, 5-3 and 5-5 are a continuous layer. However, GCPT 1C-12 appears to be discontinuous to the sites 5-2, 5-3, and 5-5 since GCPT 5-4A did not contain any elevated gamma responses, even though it did advance deep enough. However, GCPT 1C-12 is not bound to the south.

7.4.5 Cross Section E-E'

Cross Section E-E' begins at WL-117 and continues through WL-107 (see Figure 15). The boring locations transected by cross section E-E' are WL-117, GCPT 36, GCPT 6-2, WL-116, GCPT 6-3, GCPT 6-6, GCPT 6-4, GCPT 6-5, and WL-107. The alignment of cross section E-E' is generally north-to-southwest then due south.

This cross section originated from the WL-117 boring from the previously defined RIM location. GCPT-36 was also a previously known RIM location (PVC-36).

There were 2 other GCPT sites along cross section E-E' which indicated an elevated gamma response:

- GCPT 6-3: elevated response between 446.8 and 445.1 feet MSL; and
- GCPT 6-6: elevated response between 449.1 and 446.2 feet MSL.

These elevated response distributions along cross section E-E' appear to indicate that sites 6-3 and 6-6 are a continuous layer. However, this layer is bound to the south by GCPT 6-5, and WL-107 aids in the confirmation of no RIM materials south of GCPT 6-6.

7.4.6 Cross Section F-F'

Cross Section F-F' begins at WL-118 and continues through WL-109D (see Figure 16). The boring locations transected by cross section F-F' are WL-118, WL-114, GCPT-25, WL-115, GCPT 10-1, GCPT 10-2, GCPT 10-4A, and WL-109D. The alignment of cross section F-F' is generally north-to-south. The only elevated gamma responses within this cross section were noted at WL-114 and GCPT-PVC-25R. Both these locations were previously determined RIM areas. No new areas of elevated gamma responses were noted within the sites selected for this cross section.

7.4.7 Cross Section G-G'

Cross Section G-G' begins at WL-112 and continues through Sonic 14-7 (see Figure 17). The boring locations transected by cross section G-G' are WL-112, GCPT 14-1, Sonic 14-2, GCPT 14-3S, Sonic 14-4, Sonic 14-5, GCPT 14-6S, WL-120 and Sonic 14-7. The alignment of cross section G-G' is generally north-to-south. The only elevated gamma response within this cross section was noted at GCPT 14-1. This location was in the previously determined RIM area, under the interpolated RIM limit. No new areas of elevated gamma responses were noted within the sites selected for this cross section south of GCPT 14-1.

7.4.8 Cross Section H-H'

Cross Section H-H' begins at WL-104 and continues through GCPT 16-8 (see Figure 18). The boring locations transected by cross section H-H' are WL-104, WL-103, GCPT 15-1, GCPT 16-3, GCPT 16-4, GCPT 16-5, Sonic 16-6, GCPT 16-7, and GCPT 16-8. The alignment of cross section H-H' is generally north-to-south. There were no elevated gamma responses noted within any sites within this cross section.

7.5 SUMMARY OF OBSERVATIONS

Phase 1 investigations associated with the potential location of a thermal isolation barrier between the permitted North Quarry Bridgeton Landfill and the adjacent West Lake Landfill Area 1 included drilling and gamma logging of 103 GCPT borings. Sixteen Sonic borings and 15 Geoprobe borings were also drilled and downhole gamma logged. The core samples obtained

from the Sonic and Geoprobe borings were gamma logged and 82 total samples including 74 investigative samples and 8 duplicate samples were collected and submitted for laboratory analyses for radium, thorium and uranium isotopes. The following observations were developed based on the evaluation of the investigation data:

1. Based on the results from GCPT boring and gamma logging, the downhole and core sample gamma logging from the 31 soil borings and the laboratory analyses of the 82 soil samples, occurrences of RIM (that is waste materials containing combined Ra-226 plus Ra-228 and/or combined Th-230 plus Th-232 at activity levels greater than the threshold values) were identified in the southwestern portion of Area 1 outside the previously estimated extent of RIM.
2. The newly identified occurrences of RIM are located within those portions of Area 1 that are located immediately outside (north) of the North Quarry Landfill waste materials or beneath those portions of the above-grade portions of the North Quarry Landfill wastes that were placed over the top of the southern portion of Area 1.
3. Elevated gamma levels (greater than 200 cps) were encountered in 21 of the 103 GCPT borings. Gamma readings above 1,000 cps were only reported to be present in 15 of the 103 GCPT borings. All of the elevated gamma readings occurred at depths ranging between 22 to 34 ft bgs for the over 1,000 cps readings. Over 200 cps readings occurred at depths ranging from 15.4 to 56.3 ft.
4. Of the 82 samples collected, only 16 samples, obtained from 10 of the 31 soil borings, contained combined thorium levels greater than the threshold value. Six of these same 16 samples obtained from five of the same 10 borings contained combined radium levels greater than the threshold value. Only one sample contained total uranium at a level greater than the threshold value. All of the samples that contained combined thorium, radium and uranium at levels above the threshold values were located at depths, ranging from 24 to 56 ft bgs.
5. The highest levels of combined thorium (90 – 26,028 pCi/g) and radium (34.6 to 1,507 pCi/g) and the one instance of total uranium above the threshold values were found in samples obtained from boring Sonic 5-3 located near the area of previously identified RIM occurrences. Total thorium levels in the other 12 samples above the threshold value ranged from 9.8 to 422 pCi/g while the total radium activity in the other 4 samples above the threshold value ranged from 8.79 to 31.01 pCi/g.
6. With the exception of one boring location (Sonic 5-3 which is located near the previously identified area of RIM), where slightly more than 9 feet of RIM was encountered, the thickness of RIM in the other 102 GCPT borings, 16 Sonic borings and 15 Geoprobe borings were less than 3 feet and the majority were approximately one to two feet thick.

7. With two exceptions all of the occurrences of radionuclides at levels above the threshold values encountered during this investigation were located at elevations that were between the 1971 and the 1975 topographic surfaces consistent with the reported time frame (July through October 1973) when soil mixed with leached barium sulfate residue was received at the Site. The only exceptions were Sonic boring 1-2 at 39-40 feet bgs and Sonic boring 8-1A at 44-45 ft bgs where total thorium above the “threshold levels” were encountered in what appeared to be unsaturated alluvial materials located beneath the Area 1 wastes. Based on the overall insolubility of thorium, these occurrences may reflect drag-down during drilling.
8. Based on the results of the pore pressure dissipation tests when the GCPT tool advance was halted and pore pressure dissipation was measured and estimates inferred from the dynamic pore water pressure readings obtained during advancement of the GCPT tool, continuous groundwater is located near or below the base of Area 1 waste materials.
9. Gamma screening, either by downhole methods or by a gamma module on a push technology device, is an acceptable tool to detect uranium and radium activities. Gamma screening alone for thorium may not be adequate for future investigations unless the gamma sensitivity is high, which could lead to false positives. Therefore, gamma screening supplemented with laboratory analysis for thorium in samples collected from intervals with screening levels greater than 200 cps, should be used for future investigations.

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TABLES

Table 1 - Phase 1A GCPT Summary

GCPT Name	Northing	Easting	Ground Elevation	Date	Total Depth (ft)	Maximum Gamma (cps)	Maximum Gamma Depth (ft)
GCPT 1-1A	1,068,820.4	515,835.2	471.0	11/25/13	39.7	124.4	32.5
GCPT 1-1	1,068,826.6	515,829.0	471.0	11/25/13	22.1	104.3	1.1
GCPT 1-2	1,068,777.7	515,870.6	471.7	11/25/13	40.4	1,131.3	24.4
GCPT 2-1	1,068,905.8	515,882.1	472.8	11/24/13	50.9	93.5	3.3
GCPT 2-2	1,068,879.3	515,916.5	474.9	11/24/13	8.7	104.9	1.5
GCPT 2-2A	1,068,874.3	515,928.3	475.3	11/24/13	9.4	96.1	1.5
GCPT 2-2B	1,068,874.3	515,928.3	475.3	11/24/13	43.1	1,600.0	34.0
GCPT 2-3	1,068,819.1	515,941.6	476.6	11/24/13	1.0	0.0	no gamma
GCPT 2-3A	1,068,819.1	515,941.6	476.6	11/24/13	39.4	578.7	35.6
GCPT 3-1	1,068,944.0	515,949.3	474.9	11/24/13	7.4	95.4	4.4
GCPT 3-1A	1,068,944.0	515,949.3	474.9	11/24/13	41.2	1,313.5	27.7
GCPT 3-2	1,068,866.4	516,006.0	479.0	11/24/13	48.1	103.1	1.0
GCPT 4-1	1,068,941.6	516,007.7	474.4	11/14/13	53.1	8,136.6	28.9
GCPT 4-2	1,068,880.9	516,038.0	479.0	11/14/13	52.8	677.4	34.0
GCPT 5-1	1,069,052.6	516,101.8	473.6	11/19/13	41.0	2,112.3	25.1
GCPT 5-2	1,069,012.1	516,040.9	473.3	11/18/13	51.2	1,911.4	26.2
GCPT 5-3	1,068,985.5	516,093.3	474.7	11/19/13	44.3	10,527.7	29.4
GCPT 5-4A	1,068,931.2	516,116.5	478.0	11/19/13	46.3	147.0	11.8
GCPT 5-4	1,068,925.0	516,116.6	478.2	11/19/13	7.7	88.5	1.3
GCPT 6-2	1,069,108.9	516,196.5	473.0	11/19/13	48.7	104.3	13.3
GCPT 6-3	1,069,036.5	516,180.8	474.0	11/19/13	45.1	1,720.3	27.9
GCPT 6-4	1,068,976.4	516,208.6	482.7	11/16/13	25.6	73.9	3.1
GCPT 6-5	1,068,969.6	516,218.3	482.6	11/16/13	60.0	101.8	3.3
GCPT 7-1	1,069,155.5	516,310.8	470.9	11/15/13	52.0	103.4	7.9
GCPT 7-2	1,069,085.7	516,269.3	472.6	11/19/13	50.0	100.2	4.9
GCPT 7-3	1,069,013.0	516,308.3	479.2	11/16/13	54.5	209.3	40.0
GCPT 8-1	1,069,039.2	516,366.5	479.7	11/15/13	57.1	330.9	29.0
GCPT 9-1	1,069,152.0	516,357.3	470.3	11/15/13	47.6	138.0	6.2
GCPT 9-2	1,069,098.6	516,379.6	472.1	11/19/13	54.0	97.1	16.9
GCPT 9-3A	1,069,049.4	516,404.6	479.2	11/15/13	55.9	103.8	15.3
GCPT 9-3	1,069,055.6	516,401.1	479.6	11/15/13	4.9	60.7	1.8
GCPT 10-1	1,069,190.5	516,433.0	471.1	11/19/13	47.6	113.8	1.6
GCPT 10-2	1,069,140.6	516,449.8	472.3	11/20/13	53.1	108.1	7.5
GCPT 10-3A	1,069,075.4	516,462.9	485.4	11/18/13	7.2	81.5	3.4
GCPT 10-3	1,069,074.6	516,465.6	485.3	11/18/13	4.9	67.9	1.6
GCPT 10-4A	1,069,061.2	516,477.9	483.6	11/18/13	54.1	110.7	14.9
GCPT 10-4	1,069,060.4	516,474.7	483.6	11/18/13	2.6	0.0	no gamma
GCPT 11-1	1,069,222.9	516,503.6	479.8	11/21/13	50.9	153.5	0.2
GCPT 11-2	1,069,168.0	516,518.2	474.8	11/20/13	52.2	126.9	15.4

Table 1 - Phase 1A GCPT Summary

GCPT Name	Northing	Easting	Ground Elevation	Date	Total Depth (ft)	Maximum Gamma (cps)	Maximum Gamma Depth (ft)
GCPT 11-3	1,069,137.5	516,551.1	476.6	11/20/13	53.5	114.3	6.1
GCPT 11-4	1,069,072.8	516,565.5	482.7	11/18/13	50.7	163.2	45.9
GCPT 12-1	1,069,249.3	516,567.6	479.4	11/20/13	34.1	5,135.1	24.1
GCPT 12-2	1,069,198.1	516,592.8	476.0	11/20/13	54.1	109.1	1.3
GCPT 12-3	1,069,163.5	516,608.9	475.9	11/21/13	55.4	124.6	4.1
GCPT 12-4	1,069,124.7	516,619.7	476.4	11/21/13	57.4	122.9	38.5
GCPT 12-5	1,069,091.2	516,638.7	478.5	11/21/13	42.2	107.2	7.5
GCPT 12-6	1,069,031.3	516,650.6	479.0	11/18/13	62.7	106.3	23.1
GCPT 13-1	1,069,279.4	516,642.0	470.9	11/21/13	22.1	471.7	15.4
GCPT 13-2A	1,069,256.4	516,650.4	471.8	11/21/13	4.8	52.7	1.6
GCPT 13-2	1,069,258.1	516,646.3	471.5	11/21/13	3.9	41.5	0.8
GCPT 13-3	1,069,242.5	516,658.3	472.2	11/21/13	4.1	42.0	1.3
GCPT 13-4	1,069,194.6	516,676.5	474.0	11/21/13	2.3	0.0	no gamma
GCPT 13-5	1,069,148.4	516,695.0	475.4	11/22/13	3.1	31.2	0.3
GCPT 13-6	1,069,094.3	516,722.1	475.9	11/22/13	8.5	96.7	3.4
GCPT 13-7	1,069,028.3	516,764.5	474.3	11/22/13	14.3	99.4	1.6
GCPT 14-1	1,069,289.8	516,676.9	474.2	11/22/13	47.6	494.0	18.9
GCPT 14-2	1,069,248.8	516,703.0	474.5	11/22/13	4.1	60.0	1.1
GCPT 14-3	1,069,218.2	516,720.7	473.7	11/22/13	1.3	0.0	no gamma
GCPT 14-4	1,069,177.0	516,745.0	474.6	11/22/13	2.6	0.0	no gamma
GCPT 14-5	1,069,125.9	516,777.9	473.3	11/22/13	11.5	96.2	1.6
GCPT 14-6	1,069,077.3	516,811.1	472.7	11/22/13	10.8	110.9	7.4
GCPT 14-7	1,069,029.0	516,850.8	473.1	11/22/13	2.8	22.3	0.2
GCPT 15-1	1,069,362.5	516,757.4	453.8	11/23/13	35.6	199.0	20.3
GCPT 15-2	1,069,277.2	516,767.4	477.3	11/23/13	4.9	53.7	1.6
GCPT 15-3	1,069,247.6	516,788.3	474.0	11/23/13	36.1	163.8	30.5
GCPT 15-4	1,069,209.9	516,811.9	473.1	11/23/13	40.2	140.0	29.4
GCPT 15-5	1,069,166.5	516,848.3	469.2	11/22/13	60.4	118.3	57.7
GCPT 15-6	1,069,125.1	516,878.8	468.8	11/22/13	42.3	118.3	2.6
GCPT 15-7	1,069,083.7	516,906.2	472.1	11/22/13	56.8	107.4	2.5
GCPT 15-8	1,069,046.0	516,931.5	473.8	11/22/13	29.7	145.4	2.3
GCPT 16-1	1,069,393.7	516,784.7	451.2	11/23/13	31.8	153.8	7.2
GCPT 16-2	1,069,365.0	516,787.1	453.1	11/23/13	24.9	115.8	1.8
GCPT 16-3	1,069,262.2	516,837.7	471.3	11/23/13	30.8	112.4	2.3
GCPT 16-4	1,069,234.2	516,866.4	472.5	11/23/13	43.8	124.1	3.0
GCPT 16-5	1,069,196.9	516,903.9	474.0	11/23/13	22.0	114.4	4.8
GCPT 16-6	1,069,158.0	516,935.3	476.8	11/23/13	25.4	110.0	13.6
GCPT 16-7	1,069,114.1	516,970.9	479.8	11/23/13	30.0	106.9	2.6
GCPT 16-8	1,069,073.9	517,002.5	481.9	11/23/13	26.9	110.8	20.7

Table 1 - Phase 1A GCPT Summary

GCPT Name	Northing	Easting	Ground Elevation	Date	Total Depth (ft)	Maximum Gamma (cps)	Maximum Gamma Depth (ft)
GCPT-108	1,069,142.1	516,389.0	470.4	11/15/13	57.3	106.8	2.0
GCPT-111A	1,069,183.7	516,592.4	475.7	11/13/13	52.3	159.4	25.9
GCPT-119	1,069,021.0	516,294.2	478.6	11/15/13	49.9	243.6	45.6
GCPT-28A	1,069,253.6	516,490.7	480.5	11/14/13	38.5	1,375.2	24.9
GCPT-25	1,069,345.4	516,405.4	465.3	11/14/13	30.8	1,248.0	8.4
GCPT-36	1,069,217.9	516,193.7	465.0	11/14/13	18.0	324.5	8.5

Table 2- Phase 1B GCPT Summary

GCPT Name	Northing	Easting	Ground Elevation	Date	Total Depth (ft)	Maximum Gamma (cps)	Maximum Gamma Depth (ft)
GCPT 2-2C	1,068,878.5	515,931.1	475.3	2/20/14	44.9	315.1	32.5
GCPT 2-4	1,068,863.2	515,948.7	476.6	2/5/14	53.3	172.0	29.4
GCPT 5-5	1,068,953.9	516,113.2	476.7	2/5/14	47.9	7,506.0	32.2
GCPT 5-6	1,068,998.4	516,126.4	474.7	2/5/14	45.1	6,764.4	27.4
GCPT 6-6	1,069,012.5	516,193.4	475.2	2/6/14	41.7	3,197.6	28.1
GCTP 9-4	1,069,113.5	516,407.0	471.4	2/5/14	52.7	93.7	2.1
GCPT 13-4S	1,069,195.8	516,676.0	474.1	2/3/14	48.6	102.0	36.6
GCPT 13-5S	1,069,148.5	516,697.1	475.5	2/4/14	41.3	94.7	11.5
GCPT 13-6S	1,069,094.3	516,722.1	476.0	2/3/14	59.7	109.2	23.8
GCPT 13-7S	1,069,028.5	516,763.2	474.2	2/6/14	49.4	106.1	20.8
GCPT 14-3S	1,069,218.9	516,719.9	473.7	2/4/14	45.8	111.8	36.6
GCPT 14-5S	1,069,125.8	516,777.3	473.3	2/4/14	26.4	98.0	15.4
GCPT 14-6S	1,069,077.3	516,809.5	472.8	2/4/14	76.1	105.5	14.9
GCPT 1C-1A	1,068,766.6	515,841.4	463.6	1/30/14	19.8	99.8	3.1
GCPT 1C-1	1,068,771.6	515,837.9	463.7	1/30/14	19.8	87.6	3.0
GCPT 1C-2	1,068,737.8	515,904.4	472.3	1/30/14	44.1	0.0	no gamma
GCPT 1C-2R	1,068,733.9	515,907.2	472.5	2/6/14	43.1	521.5	30.3
GCPT 1C-3	1,068,779.0	515,991.4	486.4	1/30/14	42.3	109.6	22.0
GCPT 1C-4	1,068,832.9	516,068.8	486.1	1/30/14	57.7	0.0	no gamma
GPCT 1C-4R	1,068,835.1	516,070.9	486.0	2/6/14	54.3	377.3	43.8
GCPT 1C-5	1,068,986.6	516,413.5	479.0	1/29/14	0.7	0.0	no gamma
GCPT 1C-5A	1,068,986.6	516,413.5	479.0	1/29/14	53.6	108.6	15.1
GCPT 1C-6	1,068,691.8	515,934.8	468.8	2/7/14	27.1	1,413.5	22.1
GCPT 1C-6T1	1,068,684.1	515,939.6	468.9	2/18/14	26.6	2,862.9	23.5
GCPT 1C-6T	1,068,685.9	515,938.7	468.9	2/18/14	26.2	1,506.5	22.8
GCPT 1C-7	1,068,646.9	515,958.2	468.6	2/18/14	36.1	116.3	4.3
GCPT 1C-8	1,068,728.3	516,014.9	491.2	2/19/14	42.0	102.4	3.0
GCPT 1C-9	1,068,746.5	516,049.9	495.2	2/17/14	53.6	106.0	10.4
GCPT 1C-10	1,068,797.8	516,095.9	496.5	2/19/14	42.7	104.6	11.8
GCPT 1C-11	1,068,838.9	516,151.9	496.9	2/19/14	36.4	108.6	3.0
GCPT 1C-12	1,068,865.9	516,200.9	500.1	2/19/14	60.7	956.9	56.3
GCPT 1C-13	1,068,982.2	516,321.9	480.1	2/17/14	47.1	107.3	34.1
PVC-25R	1,069,345.4	516,405.4	465.3	1/29/14	30.0	1,242.7	9.5

Table 3-Sonic Drilling Summary Table

Sonic Name	Northing	Easting	Ground Elevation (ft AMSL)	Date	Total Depth (ft)	Depth to Bottom of Waste (ft)	Soil Core Maximum Gamma (CPM)	Depth Interval Maximum Soil Core Gamma Scan (feet)	Down Hole Maximum Gamma (CPM)	Depth Interval Maximum Down Hole Gamma Scan (feet)
1-2	1,068,783.1	515,878.5	472.6	2/1-2/2/14	43	30	11,838	2	4,271	33
2-2	1,068,876.8	515,926.2	475.2	1/31/14	54	48	14,862	22	4,354	32
5-3	1,068,986.8	516,093.8	474.4	01/30/14	53	48	368,717	28	336,937	29.5
8-1	1,069,041.0	516,368.6	479.8	01/20/14	53	43	15,541	44	4,821	28
12-5	1,069,087.1	516,641.3	478.9	01/15/14	49	45	13,053	49	3,864	14
13-3	1,069,232.1	516,662.3	472.6	01/14/14	54	46	13,869	43	3,607	16.5
13-6	1,069,093.5	516,723.8	475.9	02/17/14	89	86.1	12,293	21	3,902	24.5
14-2	1,069,251.0	516,701.5	474.6	01/15/14	58	50	16,548	29	4,008	27.5
14-4	1,069,179.6	516,743.2	474.4	01/19/14	48	38	11,662	40	3,888	9
14-5	1,069,122.9	516,777.9	472.9	02/25/14	89	86	11,457	12	3,454	13.5
14-7	1,069,027.7	516,848.6	473.3	01/16/14	109	98	13,227	31	3,637	31.5
15-2	1,069,281.0	516,768.9	476.5	01/17/14	51	28	13,899	24	5,184	26
16-3	1,069,267.1	516,837.3	470.7	01/18/14	38	28	13,165	10	4,118	20
16-6	1,069,155.4	516,938.7	477.1	01/18/14	34	18	13,051	21	3,841	14
1C-6	1,068,689.0	515,936.0	469.2	02/16/14	93	26.0	15,025	26	53,732	22.5
WL-119	1,069,018.0	516,296.4	479.2	01/19/14	57	49	13,679	1	7,941	32.5

Table 4-Percussion Geoprobe Summary Table

Geoprobe Name	Northing	Easting	Ground Elevation	Date
1-2	1,068,779.8	515,869.2	472.9	03/11/14
2-2	1,068,870.7	515,929.3	475.3	03/11/14
2-3	1,068,816.0	515,943.9	476.5	03/11/14
8-1	1,069,036.8	516,363.7	479.6	03/06/14
8-1B	1,069,041.1	516,363.9	479.7	03/06/14
WL-119	1,069,018.3	516,292.0	478.6	03/07/14
WL-119B	1,069,013.9	516,287.8	479.2	03/07/14
WL-119C	1,069,012.8	516,291.9	479.1	03/07/14
1C-2RA	1,068,730.1	515,908.9	472.4	03/11/14
1C-4R	1,068,835.5	516,073.4	486.1	03/12/14
1C-4RB	1,068,837.6	516,076.7	486.0	03/12/14
1C-6T1	1,068,681.6	515,937.1	468.9	03/10/14
1C-12	1,068,867.9	516,204.4	500.1	03/10/14
1C-12B	1,068,863.7	516,197.7	499.7	03/10/14
1C-12C	1,068,862.9	516,203.0	500.2	03/13/14

Table 5-Sonic and Percussion Geoprobe Radiological Analytical Summary

Sample Site	Depth Interval (ft)	Combined Thorium (pCi/g)	Combined Radium (pCi/g)	Combined Uranium (pCi/g)	Potassium 40 (pCi/g)
		<i>Limit = 7.9 pCi/g</i>	<i>Limit = 7.9 pCi/g</i>	<i>Limit = 54.4 pCi/g</i>	
1-2-Geoprobe	23'-24'	1.63	2.72	0.94	18.80
1-2-Geoprobe	28'-29'	0.64	0.85	0.39	7.69
1-2-Sonic	8'-9'	1.05	2.69	0.90	20.92
1-2-Sonic	18'-19'	0.96	2.65	0.81	19.37
1-2-Sonic	20'-21'	1.41	2.28	0.85	15.31
1-2-Sonic	22'-23'	0.13	Non-detect	0.15	4.26
1-2-Sonic	23'-24'	1.51	2.56	0.89	15.34
1-2-Sonic	24'-25'	4.74	2.50	2.09	18.33
1-2-Sonic	28'-29'	2.10	0.61	1.38	5.91
1-2-Sonic	33'-34'	0.28	0.62	0.80	8.39
1-2-Sonic	38'-39'	0.57	1.97	0.65	19.76
1-2-Sonic	38'-39'D	0.40	2.25	0.79	19.21
1-2-Sonic	39'-40'	421.89	6.26	7.74	16.92
1-2-Sonic	40'-41'	Non-detect	0.83	0.38	18.02
2-2-Geoprobe	31'-32'	206.92	13.77	1.56	11.97
2-2-Sonic	5'-6'	2.13	2.14	1.95	17.56
2-2-Sonic	19'-20'	0.16	1.79	0.67	12.91
2-2-Sonic	20'-21'	1.12	Non-detect	0.73	4.43
2-2-Sonic	21'-22'	2.61	2.62	1.68	21.04
2-2-Sonic	22'-23'	1.37	2.85	0.80	18.86
2-2-Sonic	22'-23'D	1.00	2.84	0.89	23.40
2-3-Geoprobe	34'-35'	17.04	4.86	0.98	20.70
2-3-Geoprobe	35'-36'	284.21	21.08	3.39	3.93
5-3-Sonic	25'-26'	5.07	2.41	0.96	16.11
5-3-Sonic	25'-26'D	89.74	6.41	1.36	10.64
5-3-Sonic	28'-29'	26,027.66	1,507.03	882.60	18.57
5-3-Sonic	29'-30'	450.33	6.79	5.56	15.86
5-3-Sonic	29'-30'D	1.38	0.44	1.18	11.70
5-3-Sonic	33'-34'	1,829.12	34.58	25.04	14.73
8-1A-Sonic	28'-29'	2.69	2.15	1.88	8.35
8-1A-Sonic	40'-41'	2.88	3.08	1.92	21.13
8-1A-Sonic	44'-45'	78.25	2.72	1.13	18.61
8-1B-Geoprobe	28'-29'	3.57	0.96	0.78	6.68
8-1B-Geoprobe	28'-29'D	10.58	2.56	0.89	17.26
8-1B-Geoprobe	29'-30'	0.93	0.58	1.30	2.50
12-5-Sonic	2'-3'	2.21	2.09	1.14	14.96
12-5-Sonic	12'-13'	2.59	2.25	1.53	16.25
13-3-Sonic	19'-20'	4.61	2.89	2.05	24.21
13-3-Sonic	29'-30'	1.60	0.73	1.60	8.06

Table 5-Sonic and Percussion Geoprobe Radiological Analytical Summary

Sample Site	Depth Interval (ft)	Combined Thorium (pCi/g)	Combined Radium (pCi/g)	Combined Uranium (pCi/g)	Potassium 40 (pCi/g)
		<i>Limit = 7.9 pCi/g</i>	<i>Limit = 7.9 pCi/g</i>	<i>Limit = 54.4 pCi/g</i>	
13-6-Sonic	21'-22'	3.95	2.66	2.12	19.61
13-6-Sonic	21'-22'D	2.51	2.35	2.11	18.35
13-6-Sonic	39'-40'	2.35	2.50	1.85	17.79
14-2-Sonic	19'-20'	3.81	2.64	1.64	19.62
14-2-Sonic	29'-31'	2.88	2.33	2.05	19.89
14-4-Sonic	5'-6'	2.39	1.59	1.92	10.89
14-4-Sonic	28'-29'	3.54	1.66	2.25	9.40
14-5-Sonic	12'-13'	2.86	2.46	1.79	20.32
14-5-Sonic	60'-61'	2.15	2.74	1.94	19.26
14-7-Sonic	13'-14'	2.43	1.38	2.18	9.80
14-7-Sonic	39'-40'	3.05	2.31	1.76	17.51
15-2-Sonic	24'-25'	117.46	6.26	1.91	18.56
15-2-Sonic	43'-44'	2.69	2.82	1.54	20.70
16-3-Sonic	6'-7'	3.16	2.98	1.44	19.67
16-3-Sonic	11'-12'	3.14	2.84	2.09	23.22
16-3-Sonic	11'-12'D	3.47	2.52	1.99	22.68
16-6-Sonic	6'-7'	2.90	2.77	2.13	21.65
16-6-Sonic	21'-22'	2.91	2.19	1.28	17.28
1C-6-Sonic	19'-20'	3.00	2.54	2.39	21.23
1C-6-Sonic	24'-25'	52.44	3.94	3.12	15.96
1C-6-Sonic	25'-26'	240.90	7.04	2.21	3.98
1C-6-Sonic	26'-27'	202.83	8.79	2.27	6.00
WL-119-Sonic	1'-2'	0.76	1.96	1.47	9.36
WL-119-Sonic	5'-6'	2.67	2.75	2.15	15.65
WL-119-Sonic	9'-10'	0.95	2.57	1.57	19.55
WL-119-Sonic	9'-10'D	1.10	2.72	1.06	18.66
WL-119-Sonic	20'-21'	0.91	2.18	0.78	16.52
WL-119-Sonic	40'-41'	0.31	1.39	0.43	4.08
WL-119-Sonic	41'-42'	1.20	2.63	1.01	23.61
WL-119-Sonic	51'-52'	1.12	0.92	0.83	16.33
WL-119-Geoprobe	34'-35'	0.69	2.64	1.18	19.74
WL-119B-Geoprobe	38'-39'	1.20	3.01	0.70	25.89
WL-119C-Geoprobe	43'-44'	3.44	2.30	1.01	16.05
WL-119C-Geoprobe	45'-46'	4.67	0.87	0.89	6.59
1C-2RA-Geoprobe	28'-29'	2.73	3.32	1.10	14.63
1C-4R-Geoprobe	46'-47'	4.45	2.39	1.78	6.30
1C-4RB-Geoprobe	46'-47'	2.03	1.86	1.13	6.60
1C-6T1-Geoprobe	22'-23'	0.60	2.29	1.19	13.56
1C-12-Geoprobe	48'-49'	1.74	2.94	1.09	16.14

Table 5-Sonic and Percussion Geoprobe Radiological Analytical Summary

Sample Site	Depth Interval (ft)	Combined Thorium (pCi/g) <i>Limit = 7.9 pCi/g</i>	Combined Radium (pCi/g) <i>Limit = 7.9 pCi/g</i>	Combined Uranium (pCi/g) <i>Limit = 54.4 pCi/g</i>	Potassium 40 (pCi/g)
1C-12-Geoprobe	49'-50'	0.60	2.54	1.15	13.35
1C-12B-Geoprobe	53'-54'	0.99	1.14	1.34	12.30
1C-12B-Geoprobe	54'-55'	9.80	2.88	1.17	12.17
1C-12C-Geoprobe	55'-56'	400.95	31.01	3.97	12.43

Table 6
Combined Thorium Calculations
(All Units in pCi/g)

Sample ID	Result	CSU	CV	mda	Qualifier	Result	CSU	CV	mda	Qualifier	Combined		Combined Thorium relative to 7.9 pCi/g Limit
	Thorium-230					Thorium-232							
FEEBRIS01-2.008-009	0.677	0.252	0.022	0.104	-	0.376	0.172	0.103	0.104	-	1.054		Less than Limit
FEEBRIS01-2.018-019	0.619	0.221	0.003	0.079	-	0.340	0.147	0.072	0.055	-	0.959		Less than Limit
FEEBRIS01-2.020-021	0.838	0.273	0.008	0.065	-	0.570	0.205	0.072	0.081	-	1.407		Less than Limit
FEEBRIS01-2.022-023	0.128	0.083	0.003	0.070	-	0.058	0.057	0.061	0.070	U	0.128	*	Less than Limit
FEEBRIS01-2.023-024	0.943	0.300	0.008	0.068	-	0.565	0.207	0.075	0.085	-	1.508		Less than Limit
FEEBRIS1-2.023-024GP	1.091	0.287	0.003	0.030	-	0.536	0.160	0.043	0.041	-	1.627		Less than Limit
FEEBRIS01-2.024-025	3.407	0.842	0.014	0.086	-	1.337	0.379	0.083	0.064	-	4.744		Less than Limit
FEEBRIS01-2.028-029	1.384	0.462	0.019	0.118	-	0.715	0.289	0.146	0.153	-	2.099		Less than Limit
FEEBRIS1-2.028-029GP	0.637	0.192	0.006	0.039	-	0.063	0.046	0.043	0.039	U	0.637	*	Less than Limit
FEEBRIS01-2.033-034	0.279	0.123	0.002	0.064	-	0.114	0.073	0.060	0.051	U	0.279	*	Less than Limit
FEEBRIS01-2.038-039	0.279	0.127	0.007	0.056	-	0.290	0.127	0.066	0.056	-	0.570		Less than Limit
FEEBRIS01-2.038-039D	0.401	0.161	0.015	0.077	-	0.129	0.083	0.068	0.058	U	0.401	*	Less than Limit
FEEBRIS01-2.039-040	416.665	123.316	0.046	0.795	QJ	5.227	2.460	0.809	0.715	QJ	421.892		Exceeds Limit
FEEBRIS01-2.040-041	0.065	0.065	0.016	0.082	U	0.050	0.052	0.071	0.054	U	Non-Detect	*	Less than Limit
FEEBRIS1C-2RA.028-029GP	2.466	0.533	0.003	0.027	-	0.266	0.089	0.031	0.024	-	2.732		Less than Limit
FEEBRIS1C-4R.046-047GP	4.453	1.100	0.009	0.057	-	0.078	0.059	0.057	0.049	U	4.453	*	Less than Limit
FEEBRIS1C-4RB.046-047GP	2.035	0.610	0.005	0.057	-	0.177	0.109	0.072	0.082	U	2.035	*	Less than Limit
FEEBRISIC-6.019-020	1.294	0.383	0.006	0.062	-	1.709	0.449	0.081	0.062	-	3.003		Less than Limit
FEEBRISIC-6.024-025	51.011	10.819	0.009	0.073	-	1.431	0.399	0.091	0.086	-	52.442		Exceeds Limit
FEEBRISIC-6.025-026	239.818	52.040	0.014	0.088	-	1.086	0.334	0.088	0.075	-	240.904		Exceeds Limit
FEEBRISIC-6.026-027	201.956	39.972	0.005	0.047	-	0.878	0.250	0.060	0.067	-	202.833		Exceeds Limit
FEEBRIS1C-6TI.022-023GP	0.393	0.138	0.003	0.033	-	0.212	0.092	0.041	0.047	-	0.605		Less than Limit
FEEBRIS1C-12.048-049GP	1.738	0.522	0.016	0.080	-	0.140	0.104	0.116	0.123	U	1.738	*	Less than Limit
FEEBRIS1C-12.049-050GP	0.427	0.158	0.004	0.040	-	0.170	0.087	0.052	0.040	-	0.597		Less than Limit
FEEBRIS1C-12B.053-054GP	0.658	0.232	0.017	0.076	-	0.336	0.142	0.064	0.058	-	0.994		Less than Limit
FEEBRIS1C-12B.054-055GP	9.411	2.170	0.004	0.038	-	0.385	0.140	0.049	0.038	-	9.797		Exceeds Limit
FEEBRIS1C-12C.055-056GP	398.760	91.988	0.004	0.043	-	2.193	0.553	0.056	0.043	-	400.953		Exceeds Limit
FEEBRIS02-2.005-006	1.243	0.386	0.031	0.118	-	0.891	0.293	0.093	0.084	-	2.134		Less than Limit
FEEBRIS02-2.019-020	0.159	0.085	0.013	0.062	-	0.130	0.078	0.071	0.075	U	0.159	*	Less than Limit
FEEBRIS02-2.020-021	0.659	0.223	0.003	0.072	-	0.464	0.173	0.078	0.079	-	1.124		Less than Limit
FEEBRIS02-2.021-022	1.359	0.405	0.011	0.082	-	1.253	0.365	0.084	0.065	-	2.613		Less than Limit
FEEBRIS02-2.022-023	0.692	0.229	0.007	0.057	-	0.681	0.218	0.065	0.050	-	1.373		Less than Limit

Table 6
Combined Thorium Calculations
(All Units in pCi/g)

Sample ID	Result	CSU	CV	mda	Qualifier	Result	CSU	CV	mda	Qualifier	Combined		Combined Thorium relative to 7.9 pCi/g Limit
	Thorium-230					Thorium-232							
FEEBRIS02-2.022-023D	0.567	0.194	0.006	0.054	-	0.436	0.160	0.059	0.067	-	1.003		Less than Limit
FEEBRIS02-2.031-032GP	205.533	43.366	0.006	0.040	-	1.388	0.334	0.044	0.040	-	206.921		Exceeds Limit
FEEBRIS02-3.034-035GP	16.786	3.421	0.009	0.040	-	0.258	0.091	0.038	0.038	-	17.043		Exceeds Limit
FEEBRIS02-3.035-036GP	281.615	53.200	0.005	0.028	-	2.599	0.486	0.027	0.024	-	284.214		Exceeds Limit
FEEBRIS05-3.025-026	4.634	1.008	0.008	0.055	-	0.435	0.154	0.061	0.055	-	5.069		Less than Limit
FEEBRIS05-3.025-026D	88.921	18.009	0.003	0.074	-	0.820	0.248	0.071	0.065	-	89.741		Exceeds Limit
FEEBRIS05-3.028-029	25824.840	7537.870	1.448	17.697	QJ	202.819	78.558	15.403	15.533	QJ	26027.659		Exceeds Limit
FEEBRIS05-3.029-030	443.567	97.723	0.248	1.124	QJ	6.762	2.479	1.508	0.923	QJ	450.329		Exceeds Limit
FEEBRIS05-3.029-030D	0.935	0.312	0.012	0.084	-	0.447	0.190	0.084	0.096	-	1.382		Less than Limit
FEEBRIS05-3.033-034	1814.709	559.100	0.538	4.539	QJ	14.409	8.158	3.691	3.995	QJ	1829.118		Exceeds Limit
FEEBRIS08-1.028-029	1.808	0.465	0.018	0.082	-	0.883	0.259	0.068	0.052	-	2.691		Less than Limit
FEEBRIS08-1.040-041	1.568	0.458	0.015	0.091	-	1.314	0.383	0.090	0.077	-	2.882		Less than Limit
FEEBRIS08-1.044-045	77.765	16.934	0.006	0.061	-	0.482	0.191	0.080	0.061	-	78.247		Exceeds Limit
FEEBRIS08-1B.028-029GP	3.423	0.837	0.019	0.068	-	0.149	0.079	0.052	0.047	-	3.572		Less than Limit
FEEBRIS08-1B.028-029GP-D	10.391	2.652	0.013	0.073	Q	0.188	0.106	0.073	0.069	-	10.578		Exceeds Limit
FEEBRIS08-1B.029-030GP	0.805	0.245	0.010	0.053	-	0.129	0.073	0.052	0.047	-	0.934		Less than Limit
FEEBRIS 12-5.002-003	1.268	0.353	0.008	0.066	-	0.941	0.272	0.113	0.065	-	2.209		Less than Limit
FEEBRIS 12-5.012-013	1.720	0.494	0.008	0.078	-	0.874	0.290	0.142	0.068	-	2.594		Less than Limit
FEEBRIS 13-3.019-020	3.408	0.852	0.005	0.066	-	1.203	0.356	0.140	0.075	-	4.611		Less than Limit
FEEBRIS 13-3.029-030	0.791	0.257	0.004	0.055	-	0.805	0.251	0.113	0.079	-	1.596		Less than Limit
FEEBRIS13-6.021-022	2.749	0.683	0.022	0.097	-	1.205	0.340	0.082	0.074	-	3.954		Less than Limit
FEEBRIS13-6.021-022D	1.399	0.392	0.003	0.081	-	1.115	0.316	0.071	0.081	-	2.514		Less than Limit
FEEBRIS13-6.039-040	1.377	0.427	0.024	0.114	-	0.973	0.324	0.135	0.145	-	2.350		Less than Limit
FEEBRIS 14-2.019-020	2.763	0.699	0.007	0.070	-	1.048	0.315	0.135	0.083	-	3.811		Less than Limit
FEEBRIS 14-2.029-031	1.519	0.428	0.007	0.069	-	1.361	0.375	0.125	0.060	-	2.880		Less than Limit
FEEBRIS 14-4.005-006	1.293	0.393	0.010	0.082	-	1.098	0.335	0.147	0.094	-	2.391		Less than Limit
FEEBRIS 14-4.028-029	2.083	0.549	0.002	0.087	-	1.456	0.394	0.125	0.060	-	3.538		Less than Limit
FEEBRI14-5.012-013	1.664	0.476	0.012	0.084	-	1.195	0.357	0.098	0.095	-	2.859		Less than Limit
FEEBRI14-5.060-061	1.031	0.324	0.006	0.062	-	1.120	0.330	0.078	0.088	-	2.152		Less than Limit
FEEBRIS 14-7.013-014	1.539	0.493	0.036	0.144	-	0.889	0.322	0.181	0.111	-	2.428		Less than Limit
FEEBRIS 14-7.039-040	1.795	0.541	0.035	0.137	-	1.256	0.397	0.168	0.098	-	3.051		Less than Limit
FEEBRIS 15-2.024-025	115.621	23.751	0.016	0.087	-	1.840	0.464	0.141	0.101	-	117.461		Exceeds Limit

Table 6
Combined Thorium Calculations
(All Units in pCi/g)

Sample ID	Result	CSU	CV	mda	Qualifier	Result	CSU	CV	mda	Qualifier	Combined		Combined Thorium relative to 7.9 pCi/g Limit
	Thorium-230					Thorium-232							
FEEBRIS 15-2.043-044	1.359	0.442	0.016	0.107	-	1.328	0.417	0.165	0.079	-	2.687		Less than Limit
FEEBRIS 16-3.006-007	1.862	0.535	0.023	0.112	-	1.297	0.389	0.150	0.081	-	3.159		Less than Limit
FEEBRIS 16-3.011-012	1.766	0.515	0.011	0.090	-	1.374	0.408	0.151	0.081	-	3.139		Less than Limit
FEEBRIS 16-3.011-012D	1.856	0.574	0.028	0.135	-	1.618	0.496	0.189	0.115	-	3.473		Less than Limit
FEEBRIS 16-6.006-007	1.674	0.465	0.005	0.061	-	1.230	0.352	0.128	0.061	-	2.904		Less than Limit
FEEBRIS 16-6.021-022	1.413	0.412	0.002	0.090	-	1.498	0.409	0.130	0.063	-	2.910		Less than Limit
FEEBRICS.021314	1.566	0.476	0.013	0.094	-	0.893	0.309	0.113	0.113	-	2.459		Less than Limit
FEEBRISWL-119.001-002	0.452	0.187	0.008	0.070	-	0.304	0.145	0.083	0.070	-	0.756		Less than Limit
FEEBRISWL119.005-006	1.384	0.383	0.014	0.077	-	1.285	0.343	0.073	0.062	-	2.669		Less than Limit
FEEBRISWL-119.009-010	0.550	0.196	0.007	0.059	-	0.403	0.156	0.067	0.051	-	0.953		Less than Limit
FEEBRISWL-119.009-010D	0.584	0.188	0.005	0.046	-	0.519	0.168	0.051	0.058	-	1.104		Less than Limit
FEEBRISWL-119.020-021	0.488	0.184	0.009	0.066	-	0.424	0.164	0.074	0.066	-	0.911		Less than Limit
FEEBRISWL-119.034-035GP	0.380	0.128	0.011	0.046	-	0.310	0.107	0.040	0.038	-	0.690		Less than Limit
FEEBRISWL-119.040-041	0.309	0.154	0.004	0.093	-	0.131	0.095	0.089	0.081	U	0.309	*	Less than Limit
FEEBRISWL-119.041-042	0.635	0.223	0.005	0.055	-	0.567	0.201	0.072	0.055	-	1.202		Less than Limit
FEEBRISWL119.051-052	0.571	0.320	0.072	0.248	-	0.550	0.299	0.190	0.179	-	1.121		Less than Limit
FEEBRISWL-119B.038-039GP	0.649	0.192	0.010	0.048	-	0.555	0.164	0.046	0.045	-	1.205		Less than Limit
FEEBRISWL-119C.043-044GP	3.034	0.678	0.002	0.040	-	0.404	0.127	0.039	0.035	-	3.438		Less than Limit
FEEBRISWL-119C.045-046GP	4.204	1.367	0.015	0.103	Q	0.462	0.230	0.114	0.103	-	4.666		Less than Limit

Table 7
Combined Radium Calculations
(All Units in pCi/g)

Sample ID	Result	CSU	CV	mda	Qualifier	Result	CSU	CV	mda	Qualifier	Combined		Combined Radium relative to 7.9 pCi/g Limit
	Radium-226					Radium-228							
FEEBRIS01-2.008-009	1.381	0.202	0.105	0.221	-	1.312	0.221	0.240	0.504	J	2.694		Less than Limit
FEEBRIS01-2.018-019	1.317	0.199	0.092	0.194	-	1.337	0.248	0.200	0.427	-	2.654		Less than Limit
FEEBRIS01-2.020-021	1.224	0.216	0.129	0.269	-	1.055	0.251	0.235	0.496	-	2.279		Less than Limit
FEEBRIS01-2.022-023	0.229	0.335	0.266	0.581	UJ	0.443	0.415	0.395	0.904	UJ	Non-detect	*	Less than Limit
FEEBRIS01-2.023-024	1.353	0.316	0.188	0.398	-	1.206	0.434	0.379	0.808	J	2.559		Less than Limit
FEEBRIS1-2.023-024GP	1.450	0.257	0.168	0.349	-	1.274	0.326	0.257	0.548	J	2.724		Less than Limit
FEEBRIS01-2.024-025	1.364	0.202	0.099	0.206	-	1.134	0.203	0.161	0.343	-	2.498		Less than Limit
FEEBRIS01-2.028-029	0.612	0.162	0.115	0.244	-	0.355	0.202	0.232	0.499	U	0.612	*	Less than Limit
FEEBRIS1-2.028-029GP	0.855	0.243	0.156	0.335	-	0.226	0.288	0.240	0.535	UJ	0.855	*	Less than Limit
FEEBRIS01-2.033-034	0.617	0.130	0.086	0.182	-	0.258	0.188	0.156	0.334	U	0.617	*	Less than Limit
FEEBRIS01-2.038-039	1.019	0.186	0.113	0.237	-	0.952	0.320	0.467	0.762	J	1.971		Less than Limit
FEEBRIS01-2.038-039D	1.051	0.253	0.158	0.335	-	1.198	0.419	0.398	0.843	J	2.249		Less than Limit
FEEBRIS01-2.039-040	4.983	0.475	0.123	0.254	-	1.280	0.369	0.347	0.713	J	6.262		Less than Limit
FEEBRIS01-2.040-041	0.390	0.098	0.076	0.159	-	0.442	0.169	0.152	0.320	-	0.832		Less than Limit
FEEBRIS1C-2RA.028-029GP	2.167	0.344	0.143	0.183	-	1.157	0.516	0.421	0.902	J	3.325		Less than Limit
FEEBRIS1C-4R.046-047GP	1.741	0.234	0.096	0.200	-	0.654	0.187	0.203	0.428	-	2.394		Less than Limit
FEEBRIS1C-4RB.046-047GP	1.199	0.187	0.111	0.235	-	0.658	0.244	0.232	0.494	-	1.857		Less than Limit
FEEBRISIC-6.019-020	1.404	0.191	0.111	0.231	-	1.132	0.226	0.176	0.371	-	2.535		Less than Limit
FEEBRISIC-6.024-025	2.655	0.293	0.094	0.195	-	1.283	0.237	0.229	0.478	-	3.937		Less than Limit
FEEBRISIC-6.025-026	7.038	0.939	0.337	0.712	J	0.135	0.626	0.459	1.006	UJ	7.038	*	Less than Limit
FEEBRISIC-6.026-027	8.787	0.948	0.297	0.625	J	0.431	0.710	0.565	1.204	UJ	8.787	*	Exceeds Limit
FEEBRIS1C-6TI.022-023GP	1.448	0.203	0.124	0.159	-	0.843	0.210	0.168	0.357	-	2.291		Less than Limit
FEEBRIS1C-12.048-049GP	1.461	0.387	0.286	0.605	J	1.477	0.650	0.605	1.290	J	2.938		Less than Limit
FEEBRIS1C-12.049-050GP	1.530	0.235	0.110	0.232	-	1.014	0.329	0.296	0.622	J	2.544		Less than Limit
FEEBRIS1C-12B.053-054GP	1.137	0.293	0.196	0.410	-	0.629	0.377	0.324	0.695	UJ	1.137	*	Less than Limit
FEEBRIS1C-12B.054-055GP	1.859	0.256	0.121	0.255	-	1.021	0.261	0.199	0.428	-	2.880		Less than Limit
FEEBRIS1C-12C.055-056GP	31.006	2.472	0.511	1.035	J	1.248	0.665	0.597	1.229	UJ	31.006	*	Exceeds Limit
FEEBRIS02-2.005-006	0.993	0.156	0.097	0.203	-	1.143	0.195	0.102	0.221	-	2.136		Less than Limit
FEEBRIS02-2.019-020	0.955	0.196	0.135	0.283	-	0.839	0.274	0.192	0.414	-	1.794		Less than Limit
FEEBRIS02-2.020-021	0.317	0.181	0.167	0.363	U	0.659	0.408	0.364	0.799	UJ	Non-detect	*	Less than Limit
FEEBRIS02-2.021-022	1.172	0.215	0.108	0.226	-	1.444	0.281	0.266	0.556	J	2.616		Less than Limit
FEEBRIS02-2.022-023	1.310	0.371	0.312	0.648	J	1.543	0.445	0.364	0.784	J	2.852		Less than Limit
FEEBRIS02-2.022-023D	1.509	0.244	0.121	0.252	-	1.329	0.266	0.238	0.502	J	2.838		Less than Limit

Table 7
Combined Radium Calculations
(All Units in pCi/g)

Sample ID	Result	CSU	CV	mda	Qualifier	Result	CSU	CV	mda	Qualifier	Combined	Combined
	Radium-226					Radium-228						Radium relative to 7.9 pCi/g Limit
FEEBRIS02-2.031-032GP	13.774	1.278	0.250	0.520	J	0.787	0.581	0.465	0.980	UJ	13.774	* Exceeds Limit
FEEBRIS02-3.034-035GP	3.226	0.517	0.389	0.189	-	1.639	0.493	0.978	1.952	J	4.865	Less than Limit
FEEBRIS02-3.035-036GP	21.078	2.065	0.493	1.018	J	0.453	0.779	0.589	1.253	UJ	21.078	* Exceeds Limit
FEEBRIS05-3.025-026	1.277	0.211	0.119	0.249	-	1.135	0.201	0.224	0.472	-	2.412	Less than Limit
FEEBRIS05-3.025-026D	5.319	0.560	0.205	0.425	-	1.091	0.348	0.293	0.618	J	6.410	Less than Limit
FEEBRIS05-3.028-029	1487.210	121.469	5.087	10.207	J	19.818	6.410	5.363	10.808	QJ	1507.028	Exceeds Limit
FEEBRIS05-3.029-030	5.604	0.554	0.121	0.250	-	1.191	0.282	0.304	0.628	J	6.794	Less than Limit
FEEBRIS05-3.029-030D	0.441	0.120	0.087	0.184	-	0.360	0.211	0.208	0.438	U	0.441	* Less than Limit
FEEBRIS05-3.033-034	32.620	2.441	0.459	0.927	J	1.961	0.430	0.438	0.896	J	34.581	Exceeds Limit
FEEBRIS08-1.028-029	1.268	0.206	0.228	0.468	-	0.877	0.193	0.303	0.637	J	2.145	Less than Limit
FEEBRIS08-1.040-041	1.488	0.219	0.128	0.201	-	1.589	0.270	0.209	0.438	-	3.076	Less than Limit
FEEBRIS08-1.044-045	1.290	0.283	0.200	0.418	-	1.426	0.436	0.359	0.763	J	2.716	Less than Limit
FEEBRIS08-1B.028-029GP	0.956	0.194	0.267	0.552	J	0.481	0.328	0.273	0.589	UJ	0.956	* Less than Limit
FEEBRIS08-1B.028-029GP-D	1.731	0.338	0.229	0.482	-	0.829	0.368	0.383	0.822	J	2.559	Less than Limit
FEEBRIS08-1B.029-030GP	0.577	0.153	0.064	0.145	-	0.129	0.199	0.162	0.364	U	0.577	* Less than Limit
FEEBRIS 12-5.002-003	1.216	0.164	0.072	0.153	-	0.875	0.173	0.138	0.294	-	2.091	Less than Limit
FEEBRIS 12-5.012-013	1.151	0.191	0.097	0.205	-	1.104	0.237	0.155	0.336	-	2.255	Less than Limit
FEEBRIS 13-3.019-020	1.496	0.235	0.142	0.296	-	1.395	0.358	0.268	0.563	J	2.891	Less than Limit
FEEBRIS 13-3.029-030	0.387	0.310	0.240	0.503	UJ	0.727	0.370	0.311	0.676	J	0.727	* Less than Limit
FEEBRIS13-6.021-022	1.421	0.222	0.106	0.224	-	1.241	0.252	0.611	0.784	J	2.662	Less than Limit
FEEBRIS13-6.021-022D	1.257	0.193	0.105	0.218	-	1.098	0.207	0.140	0.297	-	2.355	Less than Limit
FEEBRIS13-6.039-040	1.159	0.180	0.100	0.210	-	1.339	0.240	0.151	0.324	-	2.498	Less than Limit
FEEBRIS14-5.012-013	1.244	0.225	0.142	0.295	-	1.217	0.276	0.228	0.483	-	2.461	Less than Limit
FEEBRIS14-5.060-061	1.309	0.294	0.241	0.502	J	1.434	0.455	0.340	0.728	J	2.743	Less than Limit
FEEBRIS 14-2.019-020	1.312	0.184	0.094	0.196	-	1.329	0.215	0.190	0.398	-	2.641	Less than Limit
FEEBRIS 14-2.029-031	1.192	0.189	0.113	0.235	-	1.143	0.209	0.144	0.309	-	2.335	Less than Limit
FEEBRIS 14-4.005-006	0.902	0.141	0.084	0.175	-	0.685	0.128	0.211	0.438	-	1.587	Less than Limit
FEEBRIS 14-4.028-029	0.822	0.197	0.138	0.292	-	0.837	0.241	0.234	0.506	J	1.659	Less than Limit
FEEBRIS 14-7.013-014	0.897	0.152	0.190	0.390	-	0.483	0.158	0.150	0.322	-	1.380	Less than Limit
FEEBRIS 14-7.039-040	1.319	0.233	0.161	0.331	-	0.993	0.296	0.294	0.612	J	2.312	Less than Limit
FEEBRIS 15-2.024-025	4.776	0.505	0.149	0.309	-	1.480	0.292	0.288	0.602	J	6.256	Less than Limit
FEEBRIS 15-2.043-044	1.400	0.204	0.118	0.244	-	1.419	0.250	0.164	0.350	-	2.819	Less than Limit
FEEBRIS 16-3.006-007	1.363	0.238	0.136	0.283	-	1.614	0.319	0.216	0.458	-	2.977	Less than Limit

Table 7
Combined Radium Calculations
(All Units in pCi/g)

Sample ID	Result	CSU	CV	mda	Qualifier	Result	CSU	CV	mda	Qualifier	Combined		Combined Radium relative to 7.9 pCi/g Limit
	Radium-226					Radium-228							
FEEBRIS 16-3.011-012	1.174	0.188	0.103	0.214	-	1.667	0.234	0.162	0.342	-	2.841		Less than Limit
FEEBRIS 16-3.011-012D	1.272	0.194	0.098	0.205	-	1.245	0.258	0.202	0.426	-	2.517		Less than Limit
FEEBRIS 16-6.006-007	1.357	0.207	0.114	0.239	-	1.409	0.261	0.173	0.371	-	2.767		Less than Limit
FEEBRIS 16-6.021-022	0.933	0.151	0.092	0.049	-	1.258	0.210	0.176	0.370	-	2.191		Less than Limit
FEEBRICS.021314	1.134	0.194	0.091	0.192	-	0.720	0.181	0.201	0.425	-	1.854		Less than Limit
FEEBRISWL-119.001-002	1.195	0.182	0.089	0.186	-	0.770	0.153	0.148	0.314	-	1.964		Less than Limit
FEEBRISWL119.005-006	1.355	0.188	0.092	0.194	-	1.391	0.229	0.174	0.368	-	2.746		Less than Limit
FEEBRISWL-119.009-010	1.311	0.208	0.102	0.213	-	1.258	0.276	0.254	0.528	J	2.569		Less than Limit
FEEBRISWL-119.009-010D	1.409	0.213	0.117	0.244	-	1.316	0.239	0.196	0.415	-	2.724		Less than Limit
FEEBRISWL-119.020-021	1.076	0.190	0.135	0.282	-	1.105	0.237	0.234	0.494	-	2.181		Less than Limit
FEEBRISWL-119.034-035GP	1.285	0.317	0.243	0.508	J	1.357	0.432	0.429	0.911	J	2.641		Less than Limit
FEEBRISWL-119.040-041	0.509	0.167	0.146	0.309	-	0.878	0.224	0.189	0.414	-	1.386		Less than Limit
FEEBRISWL-119.041-042	1.388	0.227	0.132	0.276	-	1.243	0.263	0.363	0.755	J	2.631		Less than Limit
FEEBRISWL119.051-052	0.403	0.087	0.065	0.040	-	0.515	0.115	0.102	0.217	-	0.918		Less than Limit
FEEBRISWL-119B.038-039GP	1.567	0.335	0.229	0.480	-	1.441	0.372	0.378	0.811	J	3.008		Less than Limit
FEEBRISWL-119C.043-044GP	1.313	0.204	0.131	0.272	-	0.983	0.207	0.163	0.349	-	2.296		Less than Limit
FEEBRISWL-119C.045-046GP	0.866	0.183	0.163	0.340	-	0.325	0.252	0.215	0.463	U	0.866	*	Less than Limit

Table 8
Combined Uranium Calculations
(All units in pCi/g)

Sample ID	Result	CSU	CV	mda	Qualifier	Result	CSU	CV	mda	Qualifier	Result	CSU	CV	mda	Qualifier	Combined	Combined	
	U-234					U-235					U-238						Uranium relative to 54.4 pCi/g Limit	
FEEBRIS01-2.008-009	0.469	0.157	0.013	0.055	-	0.043	0.056	0.001	0.085	U	0.435	0.149	0.003	0.048	-	0.904	*	Less than Limit
FEEBRIS01-2.018-019	0.400	0.138	0.016	0.059	-	0.053	0.058	0.010	0.077	U	0.412	0.139	0.005	0.050	-	0.813	*	Less than Limit
FEEBRIS01-2.020-021	0.458	0.158	0.012	0.051	-	0.007	0.031	0.007	0.078	U	0.396	0.145	0.003	0.050	-	0.855	*	Less than Limit
FEEBRIS01-2.022-023	0.149	0.080	0.016	0.059	-	0.004	0.025	0.008	0.068	U	0.062	0.056	0.018	0.072	U	0.149	*	Less than Limit
FEEBRIS01-2.023-024	0.441	0.174	0.018	0.074	-	0.095	0.092	0.001	0.114	-	0.355	0.156	0.015	0.092	-	0.891		Less than Limit
FEEBRIS1-2.023-024GP	0.527	0.125	0.013	0.038	-	0.043	0.035	0.003	0.035	-	0.373	0.100	0.004	0.030	-	0.943		Less than Limit
FEEBRIS01-2.024-025	0.756	0.226	0.014	0.059	-	0.136	0.098	0.004	0.072	-	1.195	0.300	0.009	0.073	-	2.087		Less than Limit
FEEBRIS01-2.028-029	0.726	0.222	0.014	0.060	-	0.088	0.085	0.001	0.106	-	0.571	0.194	0.014	0.085	-	1.385		Less than Limit
FEEBRIS1-2.028-029GP	0.224	0.077	0.009	0.033	-	0.013	0.020	0.002	0.030	U	0.162	0.064	0.002	0.024	-	0.385	*	Less than Limit
FEEBRIS01-2.033-034	0.499	0.151	0.013	0.051	-	0.022	0.034	0.003	0.050	U	0.298	0.112	0.003	0.040	-	0.797	*	Less than Limit
FEEBRIS01-2.038-039	0.314	0.126	0.012	0.049	-	0.070	0.064	0.003	0.060	-	0.264	0.115	0.005	0.056	-	0.648		Less than Limit
FEEBRIS01-2.038-039D	0.303	0.122	0.011	0.047	-	0.163	0.097	0.005	0.067	-	0.321	0.126	0.007	0.059	-	0.786		Less than Limit
FEEBRIS01-2.039-040	3.555	0.668	0.015	0.064	-	0.337	0.164	0.004	0.079	-	3.843	0.708	0.007	0.073	-	7.736		Less than Limit
FEEBRIS01-2.040-041	0.173	0.091	0.011	0.049	-	0.067	0.064	0.005	0.069	U	0.205	0.100	0.005	0.055	-	0.377	*	Less than Limit
FEEBRIS1C-2RA.028-029GP	0.467	0.125	0.014	0.045	-	0.047	0.039	0.002	0.034	-	0.589	0.145	0.010	0.045	-	1.103		Less than Limit
FEEBRIS1C-4R.046-047GP	0.880	0.256	0.019	0.074	-	0.032	0.055	0.001	0.097	U	0.905	0.260	0.008	0.068	-	1.785	*	Less than Limit
FEEBRIS1C-4RB.046-047GP	0.547	0.196	0.016	0.068	-	0.035	0.060	0.001	0.105	U	0.584	0.205	0.009	0.074	-	1.131	*	Less than Limit
FEEBRIS1C-6.019-020	1.263	0.297	0.019	0.071	-	0.101	0.082	0.008	0.082	-	1.030	0.260	0.012	0.075	-	2.394		Less than Limit
FEEBRIS1C-6.024-025	1.462	0.356	0.018	0.073	-	0.170	0.119	0.001	0.113	-	1.489	0.359	0.004	0.064	-	3.120		Less than Limit
FEEBRIS1C-6.025-026	1.078	0.266	0.020	0.072	-	0.099	0.079	0.005	0.071	-	1.037	0.262	0.049	0.117	-	2.214		Less than Limit
FEEBRIS1C-6.026-027	1.150	0.272	0.013	0.056	-	0.041	0.049	0.003	0.060	U	1.120	0.267	0.007	0.061	-	2.269	*	Less than Limit
FEEBRIS1C-6TI.022-023GP	0.603	0.130	0.008	0.029	-	0.052	0.036	0.002	0.029	-	0.535	0.120	0.002	0.023	-	1.190		Less than Limit
FEEBRIS1C-12.048-049GP	0.535	0.137	0.010	0.038	-	0.012	0.023	0.004	0.043	U	0.555	0.140	0.003	0.032	-	1.090	*	Less than Limit
FEEBRIS1C-12.049-050GP	0.612	0.132	0.006	0.024	-	0.061	0.040	0.001	0.026	-	0.479	0.113	0.001	0.021	-	1.152		Less than Limit
FEEBRIS1C-12B.053-054GP	0.621	0.152	0.018	0.051	-	0.033	0.037	0.007	0.052	U	0.723	0.167	0.009	0.044	-	1.344	*	Less than Limit
FEEBRIS1C-12B.054-055GP	0.523	0.125	0.015	0.042	-	0.043	0.036	0.004	0.038	-	0.608	0.137	0.005	0.033	-	1.174		Less than Limit
FEEBRIS1C-12C.055-056GP	1.826	0.340	0.018	0.054	-	0.223	0.096	0.001	0.056	-	1.924	0.354	0.026	0.069	-	3.972		Less than Limit
FEEBRIS02-2.005-006	0.985	0.245	0.012	0.049	-	0.101	0.081	0.001	0.087	-	0.865	0.227	0.001	0.070	-	1.952		Less than Limit
FEEBRIS02-2.019-020	0.360	0.121	0.009	0.038	-	0.009	0.022	0.002	0.047	U	0.306	0.111	0.001	0.054	-	0.666	*	Less than Limit
FEEBRIS02-2.020-021	0.325	0.126	0.015	0.058	-	0.068	0.066	0.001	0.081	-	0.338	0.128	0.003	0.046	-	0.731		Less than Limit
FEEBRIS02-2.021-022	0.911	0.237	0.018	0.068	-	0.070	0.066	0.005	0.071	U	0.766	0.213	0.006	0.058	-	1.677	*	Less than Limit
FEEBRIS02-2.022-023	0.386	0.125	0.013	0.050	-	0.058	0.054	0.007	0.062	U	0.414	0.130	0.004	0.042	-	0.800	*	Less than Limit
FEEBRIS02-2.022-023D	0.458	0.156	0.026	0.081	-	0.053	0.063	0.014	0.092	U	0.434	0.149	0.007	0.059	-	0.893	*	Less than Limit
FEEBRIS02-2.031-032GP	0.818	0.170	0.008	0.030	-	0.034	0.031	0.002	0.030	-	0.706	0.154	0.004	0.030	-	1.558		Less than Limit
FEEBRIS02-3.034-035GP	0.494	0.117	0.009	0.031	-	0.043	0.034	0.002	0.031	-	0.445	0.111	0.021	0.050	-	0.982		Less than Limit
FEEBRIS02-3.035-036GP	1.597	0.263	0.005	0.020	-	0.166	0.066	0.003	0.032	-	1.627	0.266	0.003	0.026	-	3.390		Less than Limit
FEEBRIS05-3.025-026	0.457	0.145	0.020	0.064	-	0.096	0.073	0.011	0.076	-	0.402	0.133	0.008	0.055	-	0.955		Less than Limit
FEEBRIS05-3.025-026D	0.649	0.173	0.013	0.050	-	0.060	0.057	0.009	0.070	U	0.707	0.183	0.011	0.059	-	1.356	*	Less than Limit

Table 8
Combined Uranium Calculations
(All units in pCi/g)

Sample ID	Result	CSU	CV	mda	Qualifier	Result	CSU	CV	mda	Qualifier	Result	CSU	CV	mda	Qualifier	Combined	Combined
	U-234					U-235					U-238						Uranium relative to 54.4 pCi/g Limit
FEEBRIS05-3.028-029	428.669	73.202	1.299	5.593	J	22.867	12.502	0.355	6.900	QJ	431.061	73.499	0.154	8.002	J	882.597	Exceeds Limit
FEEBRIS05-3.029-030	2.863	0.501	0.017	0.063	-	0.187	0.104	0.007	0.073	-	2.510	0.456	0.038	0.102	-	5.560	Less than Limit
FEEBRIS05-3.029-030D	0.623	0.200	0.018	0.072	-	0.068	0.075	0.001	0.101	U	0.557	0.189	0.018	0.090	-	1.180	* Less than Limit
FEEBRIS05-3.033-034	12.391	1.902	0.015	0.065	-	0.704	0.247	0.004	0.080	Q	11.949	1.841	0.007	0.074	-	25.044	Less than Limit
FEEBRIS08-1.028-029	0.861	0.236	0.015	0.062	-	0.109	0.084	0.003	0.067	-	0.911	0.243	0.004	0.054	-	1.882	Less than Limit
FEEBRIS08-1.040-041	0.839	0.234	0.019	0.074	-	0.078	0.071	0.003	0.067	-	0.998	0.259	0.004	0.054	-	1.915	Less than Limit
FEEBRIS08-1.044-045	0.568	0.170	0.012	0.052	-	0.089	0.070	0.005	0.064	-	0.469	0.152	0.005	0.051	-	1.126	Less than Limit
FEEBRIS08-1B.028-029GP	0.352	0.108	0.010	0.039	-	0.055	0.045	0.004	0.044	-	0.370	0.111	0.007	0.041	-	0.776	Less than Limit
FEEBRIS08-1B.028-029GP-D	0.415	0.105	0.006	0.025	-	0.046	0.036	0.001	0.039	-	0.430	0.107	0.002	0.022	-	0.890	Less than Limit
FEEBRIS08-1B.029-030GP	0.744	0.169	0.007	0.028	-	0.056	0.043	0.002	0.034	-	0.501	0.131	0.003	0.032	-	1.301	Less than Limit
FEEBRI14-5.012-013	0.805	0.227	0.013	0.054	-	0.123	0.091	0.006	0.077	-	0.866	0.237	0.004	0.054	-	1.793	Less than Limit
FEEBRI14-5.060-061	0.981	0.253	0.010	0.075	-	0.093	0.081	0.001	0.093	-	0.864	0.234	0.001	0.075	-	1.938	Less than Limit
FEEBRIS 12-5.002-003	0.535	0.183	0.013	0.057	-	0.051	0.067	0.001	0.102	U	0.604	0.197	0.002	0.082	-	1.138	* Less than Limit
FEEBRIS 12-5.012-013	0.670	0.207	0.015	0.064	-	0.100	0.087	0.001	0.100	-	0.763	0.223	0.004	0.056	-	1.532	Less than Limit
FEEBRIS 13-3.019-020	0.951	0.259	0.036	0.103	-	0.178	0.112	0.006	0.080	-	0.916	0.251	0.018	0.089	-	2.045	Less than Limit
FEEBRIS 13-3.029-030	0.717	0.214	0.013	0.056	-	0.044	0.057	0.006	0.079	U	0.885	0.243	0.006	0.063	-	1.602	* Less than Limit
FEEBRIS13-6.021-022	0.913	0.240	0.012	0.052	-	0.108	0.087	0.001	0.093	-	1.096	0.269	0.004	0.052	-	2.116	Less than Limit
FEEBRIS13-6.021-022D	0.996	0.271	0.012	0.085	-	0.102	0.086	0.004	0.073	-	1.006	0.272	0.002	0.085	-	2.105	Less than Limit
FEEBRIS13-6.039-040	0.808	0.316	0.026	0.109	-	0.086	0.112	0.011	0.155	U	1.044	0.370	0.003	0.157	-	1.853	* Less than Limit
FEEBRIS 14-2.019-020	0.748	0.204	0.017	0.064	-	0.095	0.073	0.003	0.058	-	0.796	0.211	0.003	0.047	-	1.639	Less than Limit
FEEBRIS 14-2.029-031	1.032	0.276	0.039	0.109	-	0.034	0.060	0.015	0.108	U	1.019	0.271	0.011	0.078	-	2.051	* Less than Limit
FEEBRIS 14-4.005-006	1.077	0.250	0.030	0.082	-	0.117	0.083	0.012	0.082	-	0.729	0.195	0.008	0.059	-	1.923	Less than Limit
FEEBRIS 14-4.028-029	0.945	0.234	0.029	0.083	-	0.077	0.066	0.005	0.065	-	1.232	0.275	0.014	0.072	-	2.254	Less than Limit
FEEBRIS 14-7.013-014	1.068	0.265	0.012	0.052	-	0.102	0.081	0.005	0.073	-	1.012	0.256	0.006	0.059	-	2.183	Less than Limit
FEEBRIS 14-7.039-040	0.864	0.224	0.011	0.048	-	0.071	0.069	0.001	0.085	-	0.828	0.219	0.001	0.069	-	1.763	Less than Limit
FEEBRIS 15-2.024-025	0.980	0.260	0.035	0.100	-	0.059	0.073	0.019	0.112	U	0.930	0.249	0.006	0.063	-	1.909	* Less than Limit
FEEBRIS 15-2.043-044	0.727	0.195	0.024	0.074	-	0.017	0.037	0.008	0.073	U	0.817	0.208	0.008	0.059	-	1.544	* Less than Limit
FEEBRIS 16-3.006-007	0.692	0.218	0.021	0.081	-	0.053	0.070	0.001	0.106	U	0.751	0.227	0.006	0.068	-	1.444	* Less than Limit
FEEBRIS 16-3.011-012	0.900	0.235	0.026	0.082	-	0.139	0.093	0.007	0.077	-	1.054	0.258	0.013	0.075	-	2.093	Less than Limit
FEEBRIS 16-3.011-012D	0.851	0.229	0.022	0.077	-	0.160	0.100	0.005	0.072	-	0.979	0.248	0.003	0.051	-	1.991	Less than Limit
FEEBRIS 16-6.006-007	1.110	0.260	0.011	0.046	-	0.046	0.055	0.009	0.077	U	1.022	0.247	0.009	0.062	-	2.132	* Less than Limit
FEEBRIS 16-6.021-022	0.584	0.206	0.038	0.112	-	0.106	0.092	0.007	0.090	-	0.591	0.210	0.048	0.136	-	1.281	Less than Limit
FEEBRIS.021314	0.821	0.251	0.016	0.066	-	0.016	0.039	0.004	0.082	U	0.815	0.250	0.007	0.075	-	1.636	* Less than Limit
FEEBRISWL-119.001-002	0.608	0.203	0.024	0.086	-	0.015	0.035	0.004	0.074	U	0.864	0.250	0.014	0.086	-	1.471	* Less than Limit
FEEBRISWL119.005-006	1.019	0.270	0.028	0.091	-	0.179	0.114	0.008	0.089	-	0.957	0.258	0.006	0.066	-	2.155	Less than Limit
FEEBRISWL-119.009-010	0.762	0.209	0.013	0.055	-	0.029	0.049	0.001	0.086	U	0.806	0.216	0.003	0.048	-	1.568	* Less than Limit
FEEBRISWL-119.009-010D	0.578	0.172	0.012	0.051	-	0.011	0.026	0.003	0.054	U	0.485	0.155	0.001	0.063	-	1.063	* Less than Limit
FEEBRISWL-119.020-021	0.306	0.121	0.009	0.065	-	0.027	0.046	0.001	0.081	U	0.474	0.153	0.005	0.052	-	0.780	* Less than Limit

Table 8
Combined Uranium Calculations
(All units in pCi/g)

Sample ID	Result	CSU	CV	mda	Qualifier	Result	CSU	CV	mda	Qualifier	Result	CSU	CV	mda	Qualifier	Combined	Combined	
	U-234					U-235					U-238						Uranium relative to 54.4 pCi/g Limit	
FEEBRISWL-119.034-035GP	0.600	0.164	0.011	0.043	-	0.025	0.035	0.005	0.054	U	0.577	0.160	0.001	0.049	-	1.177		*
FEEBRISWL-119.040-041	0.218	0.107	0.014	0.059	-	0.091	0.080	0.001	0.091	-	0.121	0.078	0.004	0.051	-	0.430		
FEEBRISWL-119.041-042	0.421	0.145	0.016	0.062	-	0.110	0.082	0.010	0.081	-	0.477	0.155	0.005	0.052	-	1.009		
FEEBRISWL119.051-052	0.408	0.140	0.013	0.052	-	0.062	0.059	0.005	0.064	U	0.419	0.142	0.003	0.045	-	0.828		*
FEEBRISWL-119B.038-039GP	0.356	0.099	0.006	0.024	-	0.027	0.028	0.001	0.029	U	0.349	0.098	0.001	0.034	-	0.705		*
FEEBRISWL-119C.043-044GP	0.480	0.118	0.005	0.023	-	0.020	0.024	0.001	0.029	U	0.527	0.125	0.003	0.029	-	1.007		*
FEEBRISWL-119C.045-046GP	0.477	0.114	0.009	0.032	-	0.038	0.033	0.000	0.038	-	0.377	0.098	0.001	0.021	-	0.892		

Table 9
Investigation Depth to Alluvium and Thickness of Materials Above Alluvium (Waste and Fill)

Borehole ID	Northing	Easting	Depth to Top Alluvium (Feet)	Elevation Top Alluvium (Feet, MSL)	Depth to Bottom Alluvium (Feet)	Elevation Bottom Alluvium (Feet, MSL)	Alluvium Thickness (Feet)
GCPT-10-1	1,069,190.50	516,433.00	37.5	433.6	47.6	423.5	10.1
GCPT-10-2	1,069,140.60	516,449.80	42.8	429.5	53.1	419.2	10.3
GCPT-10-4A	1,069,061.20	516,477.90	49.5	434.1	54.1	429.4	4.6
GCPT WL-108	1,069,142.10	516,389.00	46.4	424.1	57.3	413.2	10.9
GCPT-11-1	1,069,222.90	516,503.60	45	434.8	50.9	429	5.9
GCPT WL-111A	1,069,183.70	516,592.40	51	424.7	52	423.7	1
GCPT-11-2	1,069,168.00	516,518.20	49.9	424.9	52.2	422.6	2.3
GCPT-11-3	1,069,137.50	516,551.10	49.9	426.7	53.5	423.1	3.6
GCPT-11-4	1,069,072.80	516,565.50	50	432.6	50.7	432	0.7
GCPT WL-119	1,069,021.00	516,294.20	47.8	430.8	49.9	428.7	2.1
GCPT-12-2	1,069,198.10	516,592.80	50	426	54.1	421.9	4.1
GCPT-12-3	1,069,163.50	516,608.90	43	432.9	55.5	420.5	12.5
GCPT-12-4	1,069,124.70	516,619.70	52	424.4	57.4	419	5.4
GCPT-12-5	1,069,091.20	516,638.70	42	436.4	42.2	436.3	0.2
GCPT-14-1	1,069,289.80	516,676.90	46.5	427.7	47.6	426.6	1.1
GCPT-15-1	1,069,362.50	516,757.40	27	426.8	35.6	418.2	8.6
GCPT-16-1	1,069,393.70	516,784.70	18	433.1	31.8	419.3	13.8
GCPT-16-2	1,069,365.00	516,787.10	22	431.1	24.9	428.2	2.9
GCPT-16-3	1,069,262.20	516,837.70	27.6	443.7	32.7	438.6	5.1
GCPT-16-4	1,069,234.20	516,866.40	30.1	442.3	43.7	428.8	13.6
GCPT-16-5	1,069,196.90	516,903.90	16.5	457.5	21.9	452.1	5.4
GCPT-16-6	1,069,158.00	516,935.30	18.2	458.5	25.3	451.5	7.1
GCPT-16-7	1,069,114.10	516,970.90	14	465.8	30	449.8	16
GCPT-16-8	1,069,073.90	517,002.50	9.6	472.3	26.8	455.2	17.2
GCPT-1-1A	1,068,820.40	515,835.20	34.2	436.7	39.7	431.3	5.5
GCPT-1-2	1,068,777.70	515,870.60	36	435.7	40	431.7	4
GCPT-2-1	1,068,905.80	515,882.10	45.2	427.5	50.9	421.9	5.7
GCPT-28A	1,069,253.60	516,490.70	37.3	443	38.5	441.7	1.2
GCPT-3-1	1,068,944.00	515,949.30	40	434.9	41.7	433.2	1.7
GCPT-3-2	1,068,866.40	516,006.00	46	433	48.1	431	2.1
GCPT-4-1	1,068,941.60	516,007.70	44.7	429.7	53.1	421.2	8.4
GCPT-4-2	1,068,880.90	516,038.00	48.5	430.5	52.8	426.2	4.3
GCPT-5-1	1,069,052.60	516,101.80	35	438.6	41	432.6	6
GCPT-5-2	1,069,012.10	516,040.90	47.3	426	51.2	422.2	3.9
GCPT-5-4A	1,068,931.20	516,116.50	43.8	434.2	46.3	431.7	2.5
GCPT-6-2	1,069,108.90	516,196.50	43	430	48.7	424.3	5.7
GCPT-6-3	1,069,036.50	516,180.80	41.7	432.3	45.1	428.9	3.4
GCPT-6-5	1,068,969.60	516,218.30	55	427.6	60	422.6	5
GCPT-7-1	1,069,155.50	516,310.80	42.6	428.3	52	418.9	9.4
GCPT-7-2	1,069,085.70	516,269.30	46	426.6	50	422.6	4
GCPT-7-3	1,069,013.00	516,308.30	49.6	429.6	54.5	424.8	4.9
GCPT-8-1	1,069,039.20	516,366.50	45.8	433.9	57.1	422.6	11.3
GCPT-9-1	1,069,152.00	516,357.30	40	430.3	47.6	422.7	7.6
GCPT-9-2	1,069,098.60	516,379.60	46.5	425.6	53.9	418.2	7.4
GCPT-9-3A	1,069,049.40	516,404.60	47.3	431.9	55.9	423.3	8.6
WL-101	1,069,549.60	516,317.20	17	439.5	25	431.5	8
WL-102	1,069,260.50	515,974.00	23	439.8	34	428.8	11
WL-105A	1,069,136.30	515,871.60	30	437.2	109	358.2	79
WL-105B	1,069,148.40	515,889.50	30	436	55	411	25
WL-105C	1,069,155.80	515,901.00	30	435.7	43	422.7	13
WL-106A	1,069,317.30	516,061.90	24	438.8	30	432.8	6
WL-107	1,068,909.50	516,254.30	51	435.1	52	434.1	1
WL-109B	1,068,947.20	516,523.20	48.9	435.6	59	425.5	10.1
WL-109C	1,068,961.10	516,528.40	48	435.9	57	426.9	9

Table 9
Investigation Depth to Alluvium and Thickness of Materials Above Alluvium (Waste and Fill)

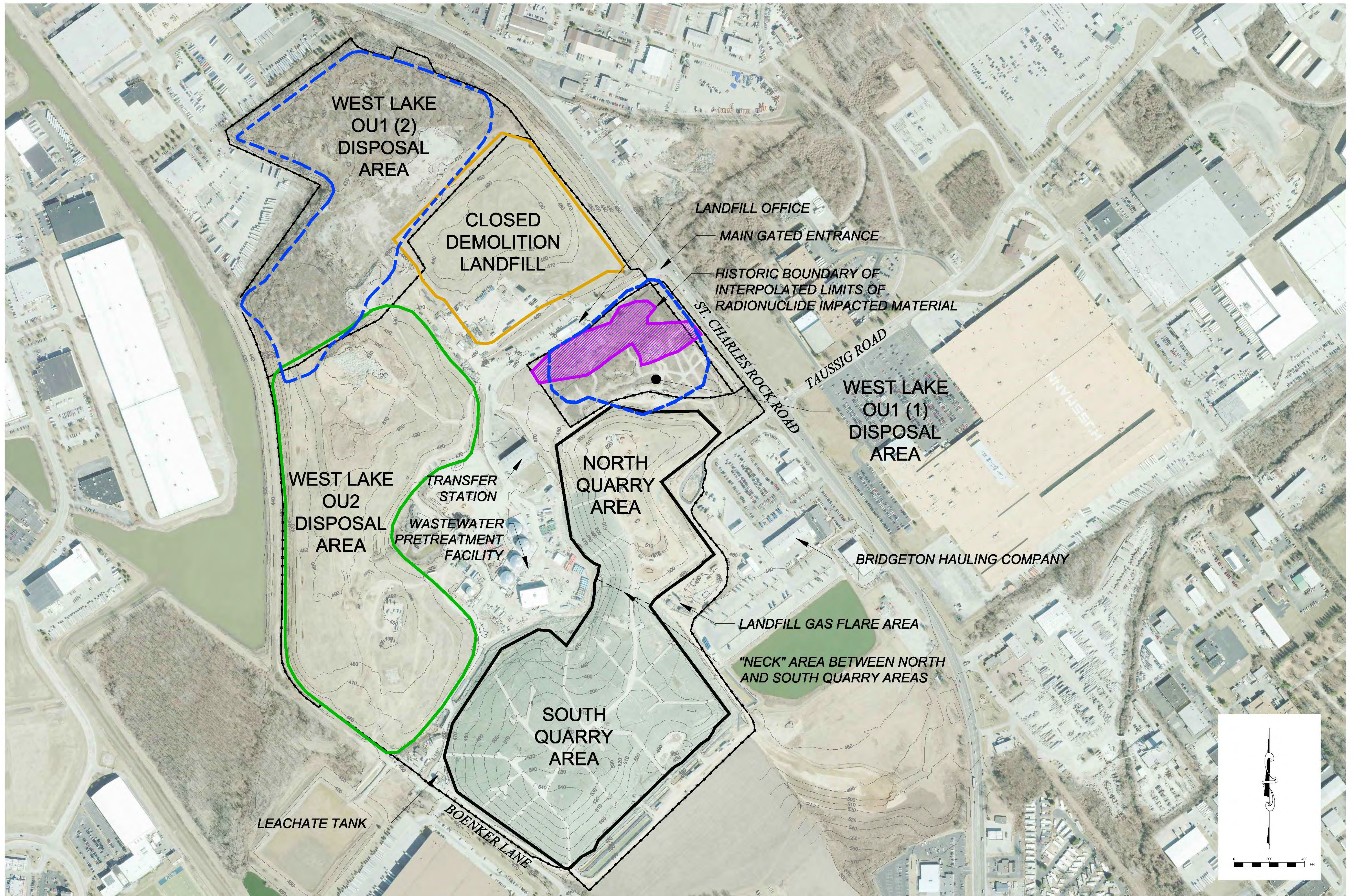
Borehole ID	Northing	Easting	Depth to Top Alluvium (Feet)	Elevation Top Alluvium (Feet, MSL)	Depth to Bottom Alluvium (Feet)	Elevation Bottom Alluvium (Feet, MSL)	Alluvium Thickness (Feet)
WL-109D	1,068,947.40	516,505.00	56	429.6	62	423.6	6
WL-110	1,068,889.00	516,645.00	50	434.4	56	428.4	6
WL-111	1,069,187.40	516,583.60	50	424.5	52	422.5	2
WL-112	1,069,379.40	516,628.20	38	429.6	42	425.6	4
WL-113	1,069,483.20	516,470.00	42.5	424.5	45	422	2.5
WL-114	1,069,391.40	516,338.60	40	428.3	45	423.3	5
WL-115	1,069,299.00	516,395.10	34	434.9	41	427.9	7
WL-117	1,069,237.40	516,221.30	37	430.6	41	426.6	4
WL-119	1,069,031.10	516,289.30	44	433.4	50	427.4	6
GCPT 1C-2	1,068,737.80	515,904.40	36	436.3	44.1	428.2	8.1
GCPT 1C-2R	1,068,733.90	515,907.20	36	436.5	43.1	429.4	7.1
GCPT 1C-3	1,068,779.00	515,991.40	37.6	448.8	42.3	444.1	4.7
GCPT 1C-4	1,068,832.90	516,068.80	50	436.1	57.4	428.7	7.4
GCPT 1C-4R	1,068,835.10	516,070.90	50	436	57.4	428.6	7.4
GCPT 1C-5A	1,068,986.60	516,413.50	49.4	429.6	53	426	3.6
GCPT 2-4	1,068,863.20	515,948.70	46.6	430.1	53.3	423.3	6.7
GCPT 5-5	1,068,953.90	516,113.20	44	432.7	47.9	428.8	3.9
GCPT 5-6	1,068,998.40	516,126.40	42.5	432.2	45.1	429.6	2.6
GCPT 6-6	1,069,012.50	516,193.40	41.4	433.8	41.7	433.6	0.3
GCPT 9-4	1,069,113.50	516,407.00	45.4	426	52.7	418.8	7.3
GCPT 13-4S	1,069,195.80	516,676.00	46	428.1	48.6	425.6	2.6
GCPT 13-5S	1,069,148.50	516,697.10	40	435.5	41.3	434.1	1.3
GCPT 14-3S	1,069,218.90	516,719.90	44.8	428.9	45.8	427.9	1
Sonic 1-2	1,068,783.10	515,878.50	30	443	43	430	13
Sonic 2-2	1,068,876.80	515,926.20	47.5	427.7	54	421.2	6.5
Sonic 5-3	1,068,986.80	516,093.80	48	426.4	53	421.4	5
Sonic 8-1	1,069,041.00	516,368.60	43	436.8	53	426.8	10
Sonic 13-3	1,069,232.10	516,662.30	46	426.6	53	419.6	7
Sonic 14-2	1,069,251.00	516,701.50	48.1	426.9	50	425	1.9
Sonic 14-7	1,069,027.70	516,848.60	98	376.9	98.5	376.4	0.5
Sonic 15-2	1,069,281.00	516,768.90	28	448.9	49	427.9	21
Sonic 16-6	1,069,155.40	516,938.70	18	459.1	25	452.1	7
Sonic WL-119	1,069,018.00	516,296.40	49	431.9	57	423.9	8
GCPT 1C-13	1,068,982.20	516,321.90	46.6	433.5	47.1	433	0.5
GCPT 1C-9	1,068,746.50	516,049.90	42	453.2	53.6	441.6	11.6
GCPT 1C-7	1,068,646.90	515,958.20	32.6	436	36.1	432.5	3.5
GCPT 1C-6T	1,068,685.90	515,938.70	26.3	442.7	26.6	442.4	0.3
GCPT 1C-12	1,068,865.90	516,200.90	59	441.1	61	439.1	2
GCPT 1C-11	1,068,838.90	516,151.90	35.2	461.7	36.5	460.4	1.3
GCPT 1C-8	1,068,728.30	516,014.90	40.1	451.1	42	449.2	1.9
GCPT 2-2C	1,068,878.50	515,931.10	42.5	432.8	45	430.4	2.5
Sonic 1C-6	1,068,689.00	515,936.00	26	443.2	92	377.2	66
Sonic 14-5	1,069,122.90	516,777.90	86	386.9	88.5	384.4	2.5

Note: This table represents information provided by PJ Carey and Associates, Inc. using interpretations from the GCPT data combined with actual sonic drilling and historical Remedial Investigation (RI) borings. The depths presented are interpretative and should be considered approximate.


Table 10
GCPT Interpreted Water Levels

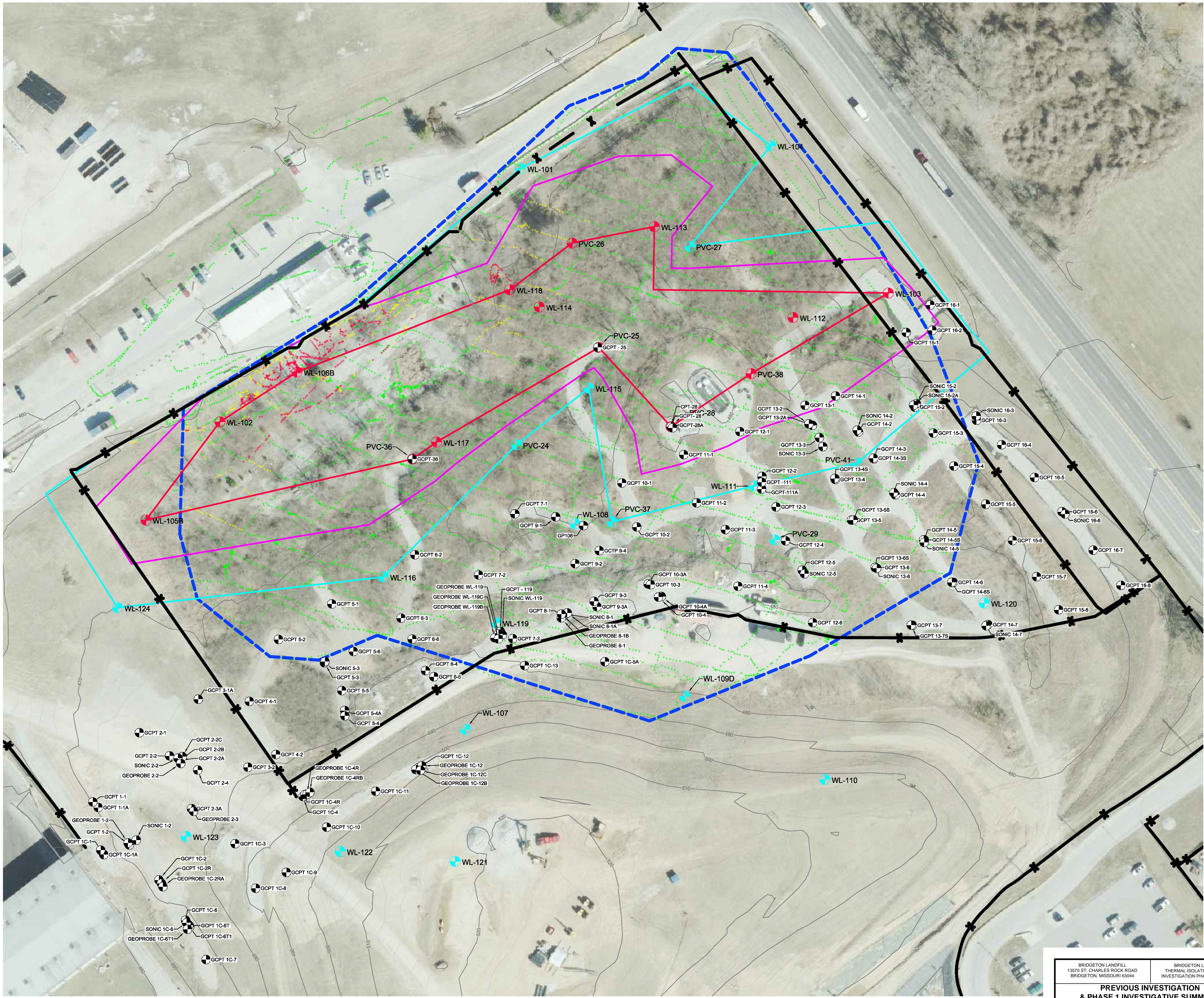
Borehole ID	Northing ft	Easting ft	Water Level Feet (MSL)	Source
GCPT 13-4S	1,069,195.80	516,676.00	429.1	est. from dynamic u.
GCPT 13-7S	1,069,028.50	516,763.20	430.2	est. from dynamic u.
GCPT 1C-11	1,068,838.90	516,151.90	464.4	est. from dynamic u.
GCPT 1C-13A	1,068,982.20	516,321.90	434.1	est. from dynamic u.
GCPT 1C-2	1,068,737.80	515,904.40	430.3	est. from dynamic u.
GCPT 1C-2RA	1,068,733.90	515,907.20	430	est. from dynamic u.
GCPT 1C-3	1,068,779.00	515,991.40	446.1	est. from dynamic u.
GCPT 1C-4	1,068,832.90	516,068.80	434.1	est. from dynamic u.
GCPT 1C-7	1,068,646.90	515,958.20	435.6	est. from dynamic u.
GCPT 1C-9	1,068,746.50	516,049.90	445.2	est. from dynamic u.
GCPT 2-2C	1,068,878.50	515,931.10	432.3	est. from dynamic u.
GCPT 2-4	1,068,863.20	515,948.70	431.6	est. from dynamic u.
GCPT PVC-28A	1,069,253.60	516,490.70	448.2	est. from dynamic u.
GCPT WL-108	1,069,142.10	516,389.00	420.4	est. from dynamic u.
GCPT WL-111A	1,069,183.70	516,592.40	431.7	from ppd
GCPT WL-119	1,069,021.00	516,294.20	442	from ppd
GCPT-10-1	1,069,190.50	516,433.00	430.1	est. from dynamic u.
GCPT-10-2	1,069,140.60	516,449.80	421	from ppd
GCPT-11-2	1,069,168.00	516,518.20	430.8	est. from dynamic u.
GCPT-11-3	1,069,137.50	516,551.10	429.3	from ppd
GCPT-11-4	1,069,072.80	516,565.50	433.7	est. from dynamic u.
GCPT-1-1A	1,068,820.40	515,834.90	434	est. from dynamic u.
GCPT-1-2	1,068,777.60	515,870.30	436.7	est. from dynamic u.
GCPT-12-2	1,069,198.10	516,592.80	430.1	from ppd
GCPT-12-3	1,069,163.50	516,608.90	426.5	from ppd
GCPT-12-4	1,069,124.70	516,619.70	429.4	est. from dynamic u.
GCPT-15-1	1,069,362.50	516,757.40	424.8	est. from dynamic u.
GCPT-16-8	1,069,073.90	517,002.50	456.9	est. from dynamic u.
GCPT-2-1	1,068,905.80	515,882.10	429.8	est. from dynamic u.
GCPT-3-1A	1,068,944.00	515,949.30	436.2	est. from dynamic u.
GCPT-3-2	1,068,866.40	516,006.00	442	est. from dynamic u.
GCPT-4-1	1,068,941.60	516,007.70	425.4	est. from dynamic u.
GCPT-4-2	1,068,880.90	516,038.00	430	est. from dynamic u.
GCPT-5-1	1,069,052.60	516,101.80	435.6	est. from dynamic u.
GCPT-5-2	1,069,012.10	516,040.90	430.3	est. from dynamic u.
GCPT-5-3	1,068,985.50	516,093.30	436.7	est. from dynamic u.
GCPT-6-2	1,069,108.90	516,196.50	430	est. from dynamic u.
GCPT-6-3	1,069,036.50	516,180.80	434	est. from dynamic u.
GCPT-6-5	1,068,969.60	516,218.30	428.6	est. from dynamic u.
GCPT-7-1	1,069,155.50	516,310.80	422.9	est. from dynamic u.
GCPT-7-3	1,069,013.00	516,308.30	432.2	est. from dynamic u.
GCPT-9-1	1,069,152.00	516,357.00	425.3	est. from dynamic u.
GCPT-9-2	1,069,098.60	516,379.30	421.9	est. from dynamic u.

FIGURES



NOTES:
 • AERIAL TOPOGRAPHY PROVIDED BY COOPER AERIAL SURVEYS
 CO. AND IS DATED MARCH 20, 2014
 • ALL ELEVATIONS ARE ABOVE MEAN SEA LEVEL (AMSL)

BRIDGETON LANDFILL 13570 ST. CHARLES ROCK ROAD BRIDGETON, MISSOURI 63044	BRIDGETON LANDFILL THERMAL ISOLATION BARRIER INVESTIGATION PHASE 1 REPORT		DECEMBER 2014 DESIGNED BY: PML APPROVED BY: DRF	FIGURE NO.:
SITE FACILITY MAP			REVISION DATE	1
PROJECT NUMBER: BT-032 FILE PATH:				



LEGEND

- PHASE 1 BORING LOCATION
- ELEVATED DOWNHOLE GAMMA READING FROM PREVIOUS STUDY
- HISTORIC BOUNDARY OF ELEVATED DOWNHOLE READINGS
- NON-ELEVATED DOWNHOLE GAMMA READING FROM PREVIOUS STUDY
- HISTORIC BOUNDARY OF NON-ELEVATED DOWNHOLE READINGS
- HISTORIC BOUNDARY OF INTERPOLATED RIM LIMITS
- FENCE
- OU-1 BOUNDARY
- 83-20-14 TOPOGRAPHY (10' CONTOUR)
- 83-20-14 TOPOGRAPHY (2' CONTOUR)
- OVERLAND GAMMA READING, BACKGROUND OR LESS
- OVERLAND GAMMA READING, 2X BACKGROUND OR LESS
- OVERLAND GAMMA READING, MORE THAN 2X BACKGROUND

NOTES:

- AERIAL TOPOGRAPHY PROVIDED BY COOPER AERIAL SURVEYS
- CO. AND IS DATED MARCH 20, 2014
- ALL ELEVATIONS ARE ABOVE MEAN SEA LEVEL (MSL)

DESIGNED BY: PM	APPROVED BY: DRP
BRIDGETON LANDFILL 13570 ST. CHARLES ROCK ROAD BRIDGETON, MISSOURI 63044	BRIDGETON LANDFILL THERMAL ISOLATION BARRIER INVESTIGATION PHASE 1 REPORT

**PREVIOUS INVESTIGATION
& PHASE 1 INVESTIGATIVE SUMMARY**

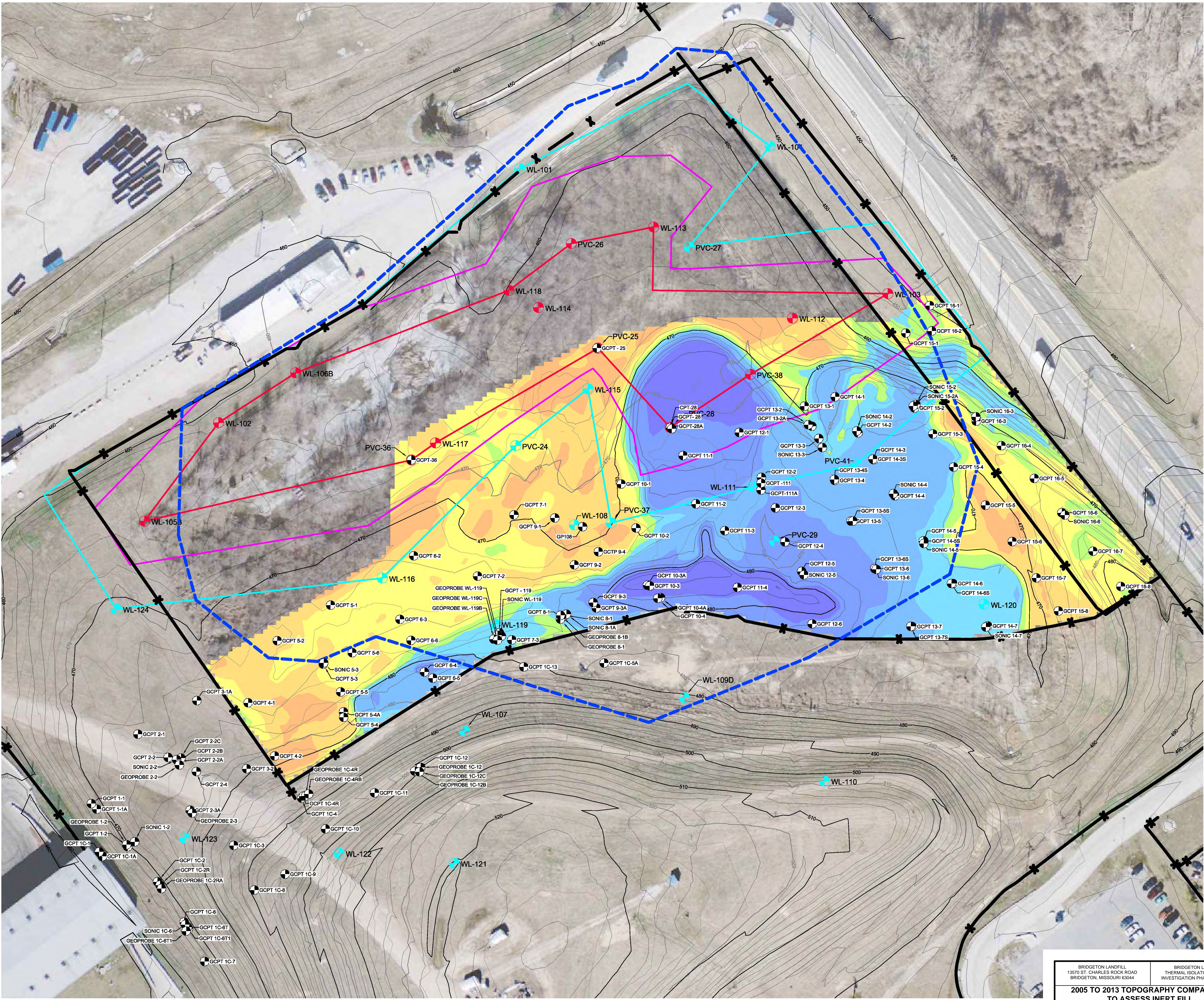
PROJECT NUMBER: BY-032 FILE PATH:

FEEZOR ENGINEERING, INC.

Engineering for a Better World

REVISION	DATE

FIGURE NO.: **2**



Thickness Map (Reds = Cut, Blues = Fill)			
Range	Minimum Depth	Maximum Depth	Color
1	-12	-8	Red
2	-8	-4	Red
3	-4	-2	Red
4	-2	-1	Red
5	-1	0	Red
6	0	1	Blue
7	1	2	Blue
8	2	4	Blue
9	4	8	Blue
10	8	12	Blue

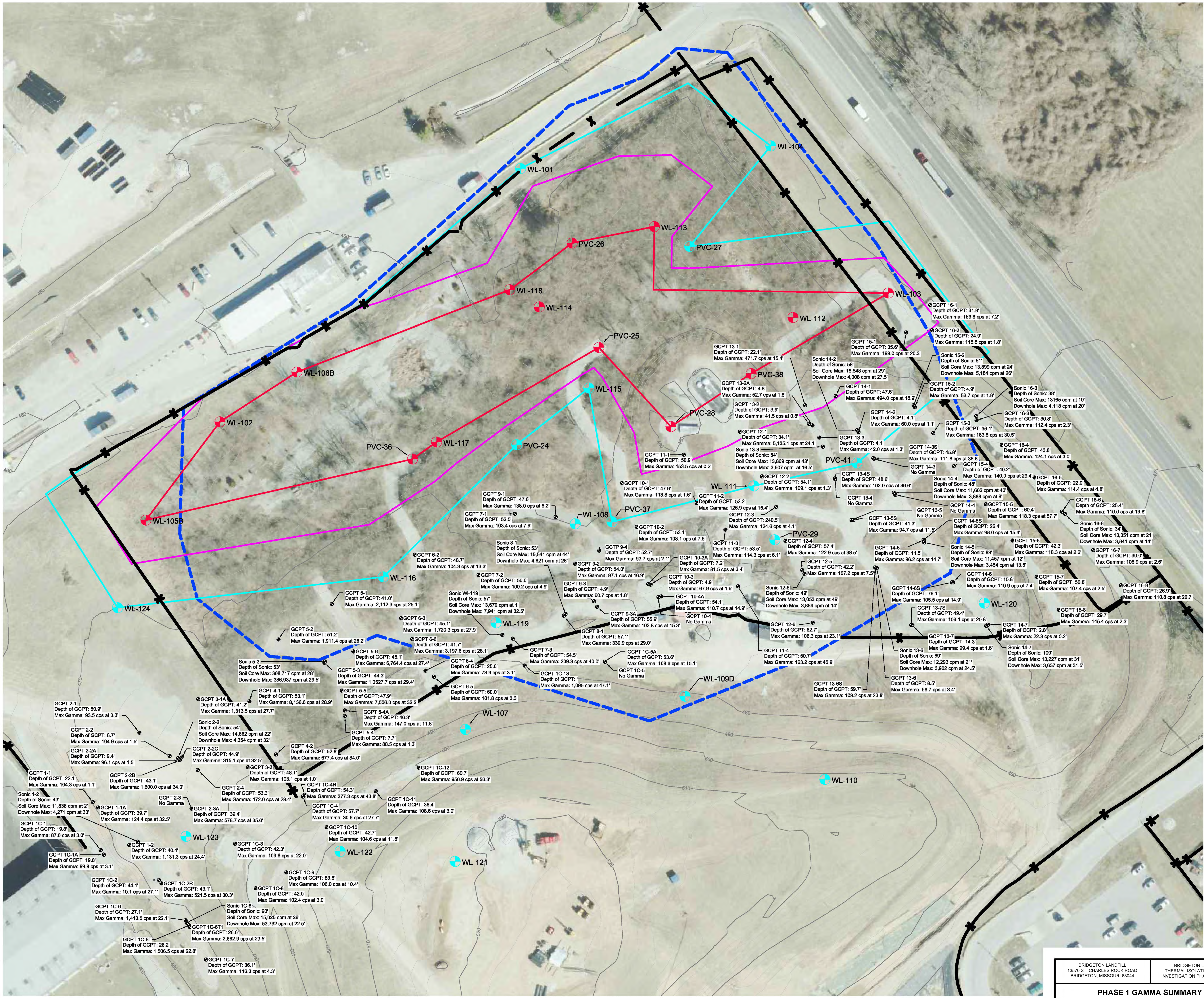
Surface Volume Comparison

Base Surface: 2005 Topography
Comparison Surface: 2013 Topography
Cut: 6,258 c.y.
Fill: 21,299 c.y.
Net: 15,041 c.y. (Fill)

- LEGEND**
- PHASE 1 BORING LOCATION
 - ELEVATED DOWNHOLE GAMMA READING FROM PREVIOUS STUDY
 - HISTORIC BOUNDARY OF ELEVATED DOWNHOLE READINGS
 - NON-ELEVATED DOWNHOLE GAMMA READING FROM PREVIOUS STUDY
 - HISTORIC BOUNDARY OF NON-ELEVATED DOWNHOLE READINGS
 - HISTORIC BOUNDARY OF INTERPOLATED RIM LIMITS
 - FENCE
 - OLI-1 BOUNDARY
 - 2013 TOPOGRAPHY (10' CONTOUR)
 - 2013 TOPOGRAPHY (2' CONTOUR)
 - 2005 TOPOGRAPHY (10' CONTOUR)
 - 2005 TOPOGRAPHY (2' CONTOUR)

NOTES:

- 2013 TOPOGRAPHY AND BACKGROUND IMAGE PROVIDED BY COOPER AERIAL SURVEYS CO. AND IS DATED FEBRUARY 13, 2013.
- 2005 TOPOGRAPHY PROVIDED BY SANBORN AND IS DATED JANUARY 20, 2005.
- ALL ELEVATIONS ARE ABOVE MEAN SEA LEVEL (AMSL).

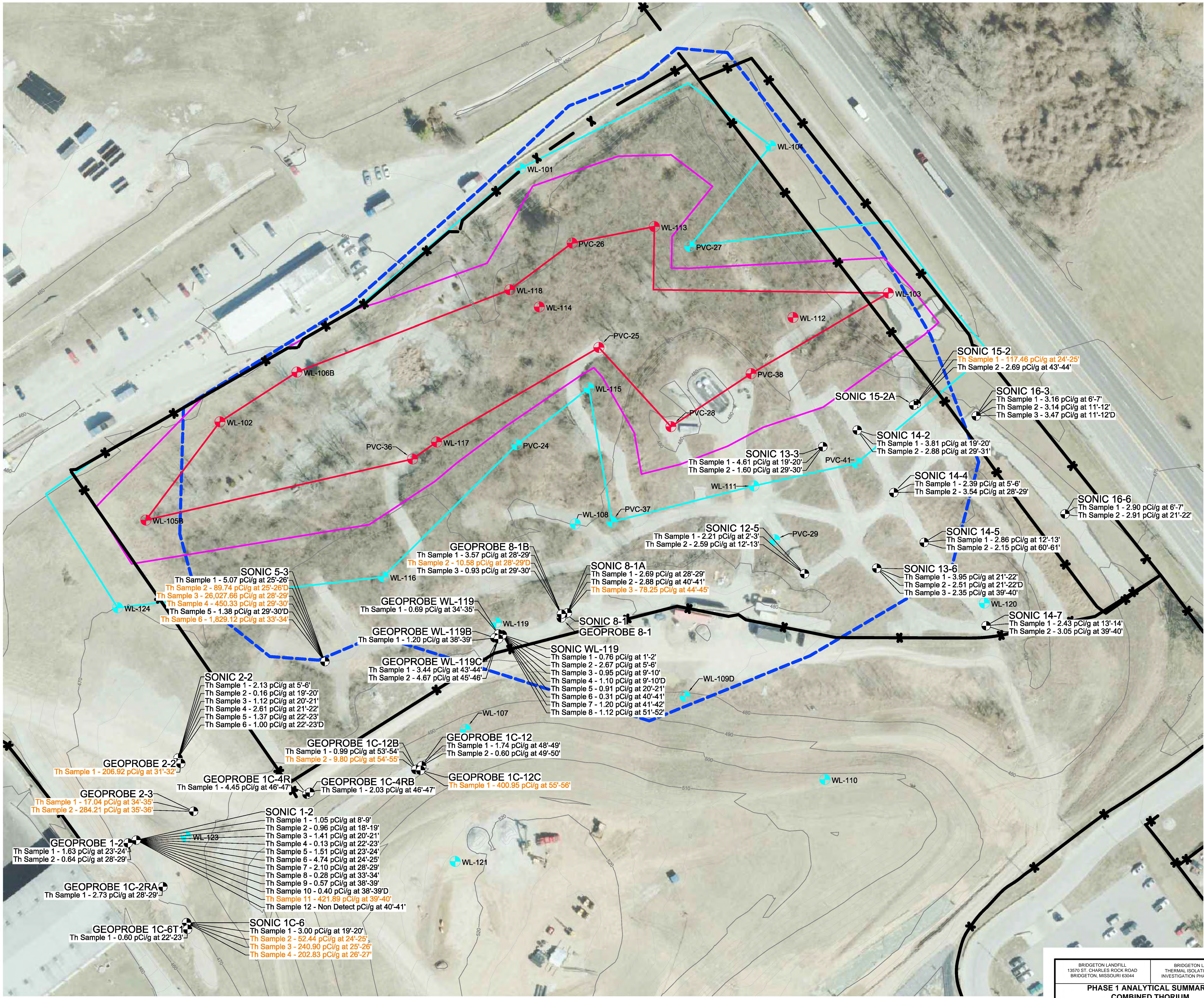


LEGEND

- PHASE 1 BORING LOCATION
- ELEVATED DOWNHOLE GAMMA READING FROM PREVIOUS STUDY
- HISTORIC BOUNDARY OF ELEVATED DOWNHOLE READINGS
- NON-ELEVATED DOWNHOLE GAMMA READING FROM PREVIOUS STUDY
- HISTORIC BOUNDARY OF NON-ELEVATED DOWNHOLE READINGS
- HISTORIC BOUNDARY OF INTERPOLATED RIM LIMITS
- FENCE
- OU-1 BOUNDARY
- 03-20-14 TOPOGRAPHY (10' CONTOUR)
- 03-20-14 TOPOGRAPHY (2' CONTOUR)

NOTES:

- AERIAL TOPOGRAPHY PROVIDED BY COOPER AERIAL SURVEYS CO. AND IS DATED MARCH 20, 2014.
- ALL ELEVATIONS ARE ABOVE MEAN SEA LEVEL (AMSL).
- GAMMA DETECTED USING GPCT METHOD IS MEASURED IN CPS.
- GAMMA DETECTED USING SONIC METHOD IS MEASURED IN CPM.
- ALL ELEVATIONS ARE ABOVE MEAN SEA LEVEL (AMSL).



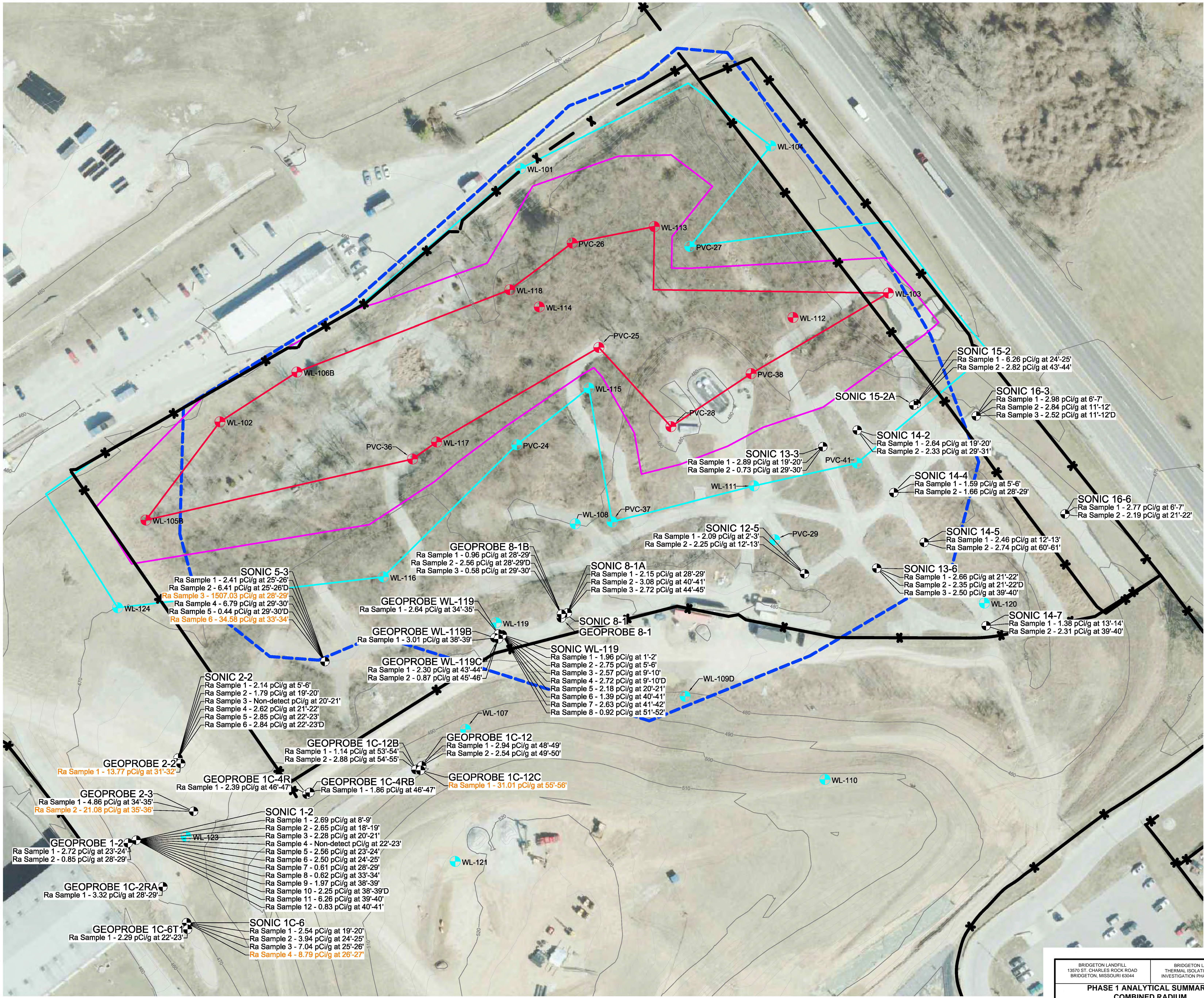
LEGEND

- PHASE 1 BORING LOCATION
- ELEVATED DOWNHOLE GAMMA READING FROM PREVIOUS STUDY
- HISTORIC BOUNDARY OF ELEVATED DOWNHOLE READINGS
- NON-ELEVATED DOWNHOLE GAMMA READING FROM PREVIOUS STUDY
- HISTORIC BOUNDARY OF NON-ELEVATED DOWNHOLE READINGS
- HISTORIC BOUNDARY OF INTERPOLATED RIM LIMITS
- FENCE
- OU-1 BOUNDARY
- 03-20-14 TOPOGRAPHY (10' CONTOUR)
- 03-20-14 TOPOGRAPHY (2' CONTOUR)

NOTES:

- AERIAL TOPOGRAPHY PROVIDED BY COOPER AERIAL SURVEYS CO. AND IS DATED MARCH 20, 2014.
- SEE TABLE 6 FOR COMBINED THORIUM RESULTS (THORIUM 230 AND THORIUM 232)
- ALL ELEVATIONS ARE ABOVE MEAN SEA LEVEL (AMSL)

BRIDGETON LANDFILL 13570 ST. CHARLES ROCK ROAD BRIDGETON, MISSOURI 63044	BRIDGETON LANDFILL THERMAL ISOLATION BARRIER INVESTIGATION PHASE 1 REPORT		DESIGNED BY: FAL APPROVED BY: DRF	FIGURE NO.: 5
PHASE 1 ANALYTICAL SUMMARY: COMBINED THORIUM		REVISION: DATE:		
PROJECT NUMBER: BY-032 FILE PATH:				



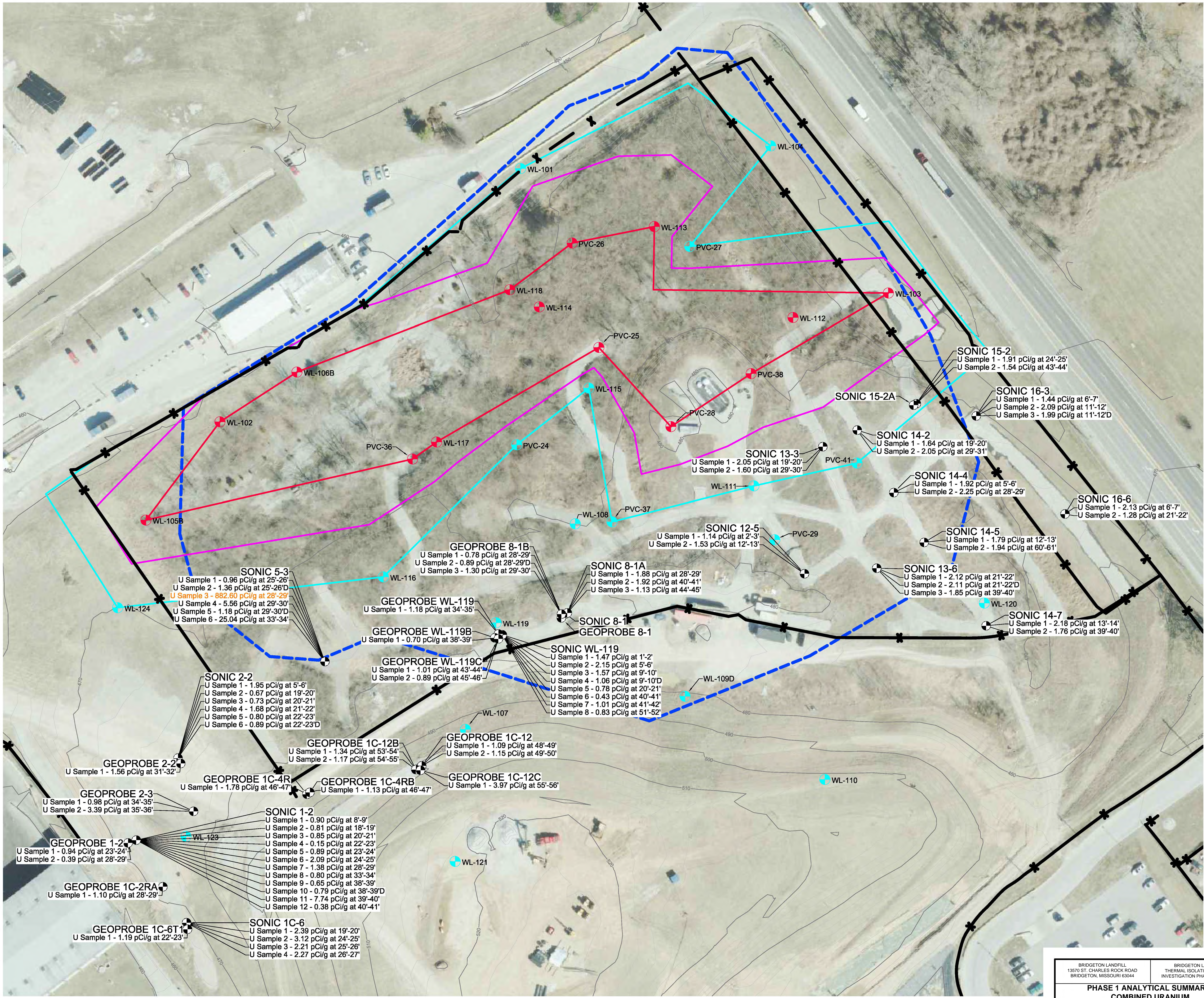
LEGEND

- PHASE 1 BORING LOCATION
- ELEVATED DOWNHOLE GAMMA READING FROM PREVIOUS STUDY
- HISTORIC BOUNDARY OF ELEVATED DOWNHOLE READINGS
- NON-ELEVATED DOWNHOLE GAMMA READING FROM PREVIOUS STUDY
- HISTORIC BOUNDARY OF NON-ELEVATED DOWNHOLE READINGS
- HISTORIC BOUNDARY OF INTERPOLATED RIM LIMITS
- FENCE
- OU-1 BOUNDARY
- 03-20-14 TOPOGRAPHY (10' CONTOUR)
- 03-20-14 TOPOGRAPHY (2' CONTOUR)

NOTES:

- AERIAL TOPOGRAPHY PROVIDED BY COOPER AERIAL SURVEYS CO. AND IS DATED MARCH 20, 2014.
- SEE TABLE 7 FOR COMBINED RADIUM RESULTS (RADIUM 226 AND RADIUM 228)
- ALL ELEVATIONS ARE ABOVE MEAN SEA LEVEL (AMSL)

BRIDGETON LANDFILL 13570 ST. CHARLES ROCK ROAD BRIDGETON, MISSOURI 63044	BRIDGETON LANDFILL THERMAL ISOLATION BARRIER INVESTIGATION PHASE 1 REPORT		DESIGNED BY: FAL APPROVED BY: DRF	FIGURE NO.: 6
PHASE 1 ANALYTICAL SUMMARY: COMBINED RADIUM		REVISION		DATE

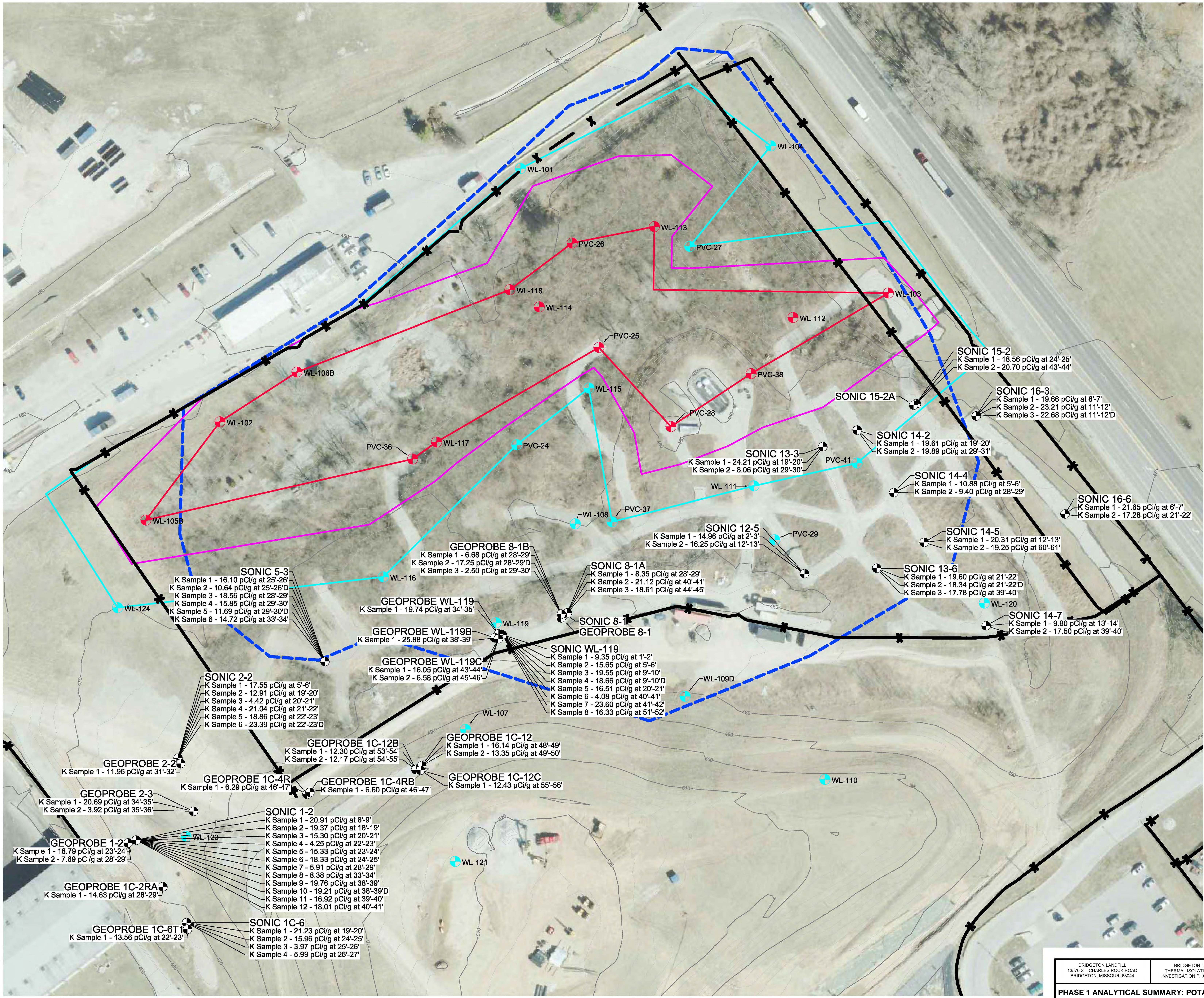


LEGEND

- PHASE 1 BORING LOCATION
- ELEVATED DOWNHOLE GAMMA READING FROM PREVIOUS STUDY
- HISTORIC BOUNDARY OF ELEVATED DOWNHOLE READINGS
- NON-ELEVATED DOWNHOLE GAMMA READING FROM PREVIOUS STUDY
- HISTORIC BOUNDARY OF NON-ELEVATED DOWNHOLE READINGS
- HISTORIC BOUNDARY OF INTERPOLATED RIM LIMITS
- FENCE
- OLI-1 BOUNDARY
- 03-20-14 TOPOGRAPHY (10' CONTOUR)
- 03-20-14 TOPOGRAPHY (2' CONTOUR)

NOTES:

- AERIAL TOPOGRAPHY PROVIDED BY COOPER AERIAL SURVEYS CO. AND IS DATED MARCH 20, 2014.
- SEE TABLE 8 FOR COMBINED URANIUM RESULTS (URANIUM 234, URANIUM 235 AND URANIUM 238).
- ALL ELEVATIONS ARE ABOVE MEAN SEA LEVEL (AMSL).



LEGEND

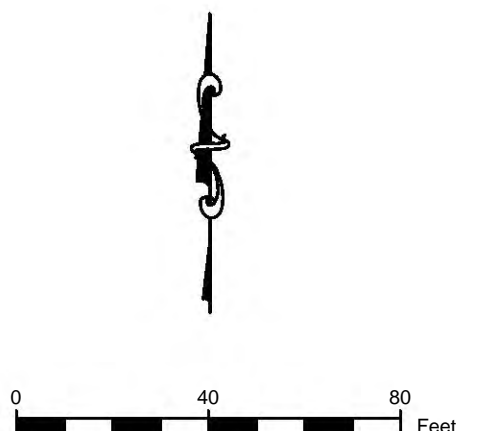
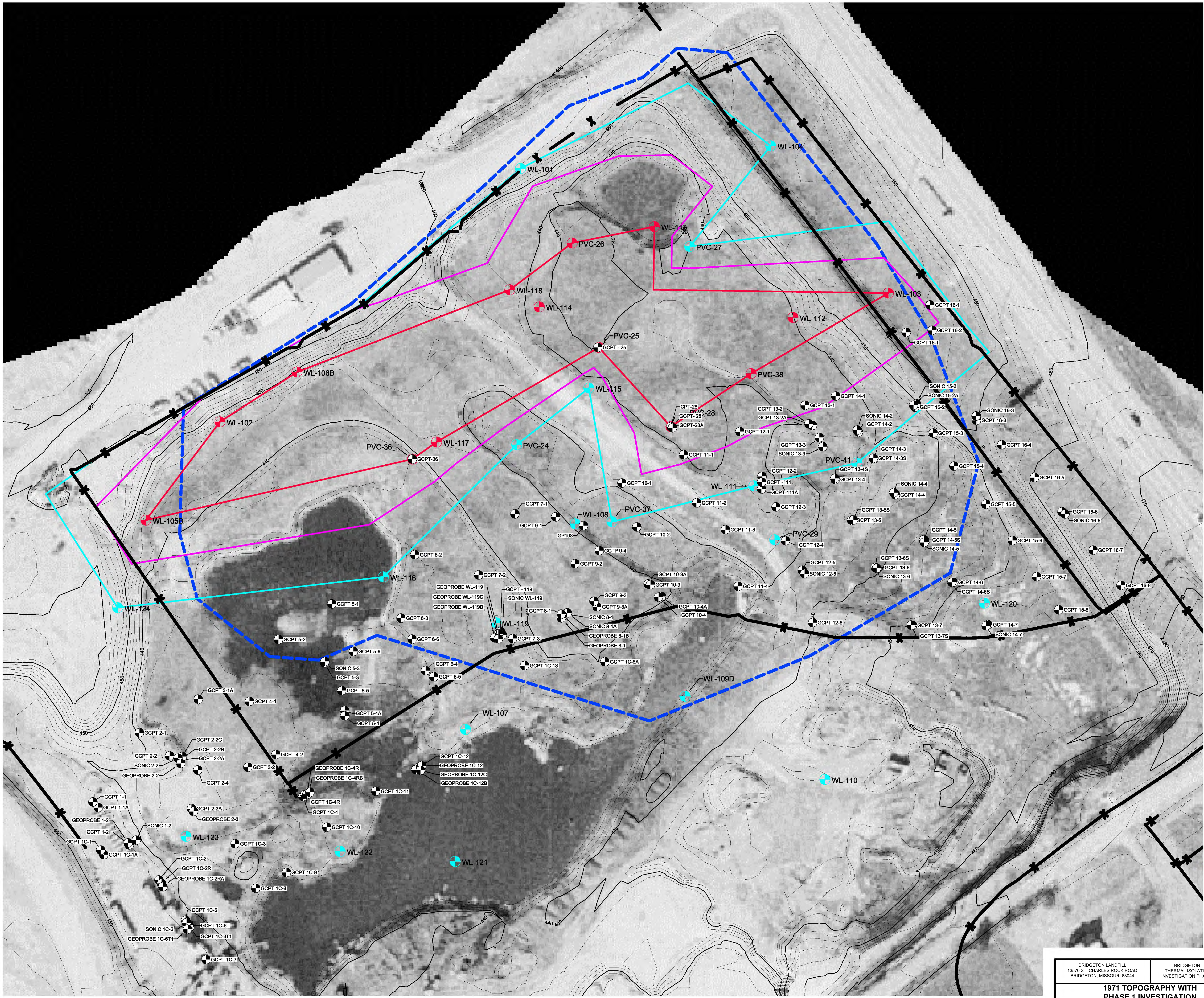
- PHASE 1 BORING LOCATION
- ELEVATED DOWNHOLE GAMMA READING FROM PREVIOUS STUDY
- HISTORIC BOUNDARY OF ELEVATED DOWNHOLE READINGS
- NON-ELEVATED DOWNHOLE GAMMA READING FROM PREVIOUS STUDY
- HISTORIC BOUNDARY OF NON-ELEVATED DOWNHOLE READINGS
- FENCE
- OU-1 BOUNDARY
- 03-20-14 TOPOGRAPHY (10' CONTOUR)
- 03-20-14 TOPOGRAPHY (2' CONTOUR)

NOTES:

- AERIAL TOPOGRAPHY PROVIDED BY COOPER AERIAL SURVEYS
- CO. AND IS DATED MARCH 20, 2014
- ALL ELEVATIONS ARE ABOVE MEAN SEA LEVEL (AMSL)

PROJECT NUMBER: BY-032	FILE PATH:	DESIGNED BY: FAL	APPROVED BY: DRF	REVISION	DATE
BRIDGETON LANDFILL 13570 ST. CHARLES ROCK ROAD BRIDGETON, MISSOURI 63044		BRIDGETON LANDFILL THERMAL ISOLATION BARRIER INVESTIGATION PHASE 1 REPORT		FEEZOR ENGINEERING, INC.	
PHASE 1 ANALYTICAL SUMMARY: POTASSIUM 40					

FIGURE NO.: **8**

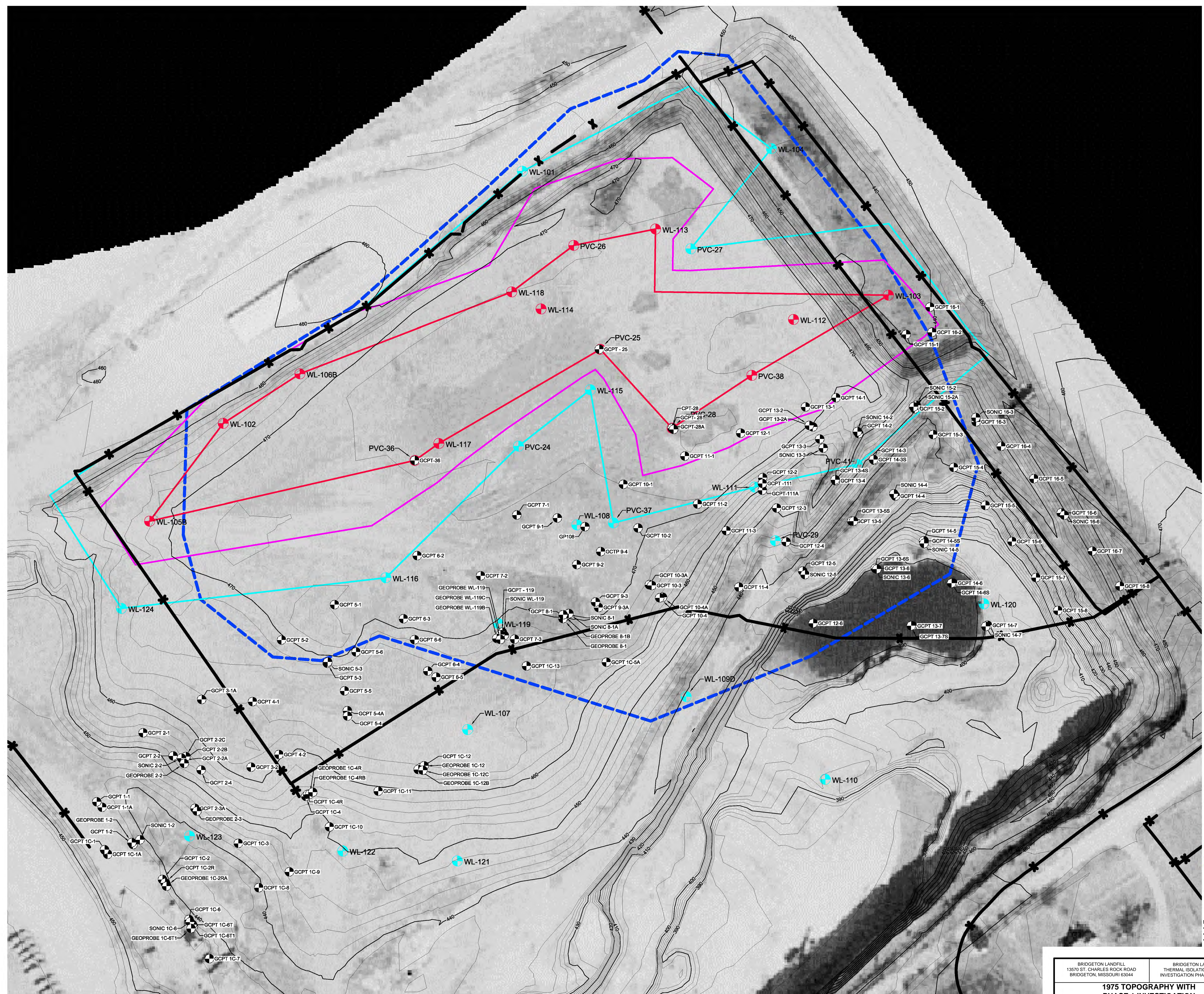


- LEGEND**
- PHASE 1 BORING LOCATION
 - ELEVATED DOWNHOLE GAMMA READING FROM PREVIOUS STUDY
 - HISTORIC BOUNDARY OF ELEVATED DOWNHOLE READINGS
 - NON-ELEVATED DOWNHOLE GAMMA READING FROM PREVIOUS STUDY
 - HISTORIC BOUNDARY OF NON-ELEVATED DOWNHOLE READINGS
 - HISTORIC BOUNDARY OF INTERPOLATED RIM LIMITS
 - FENCE
 - OU-1 BOUNDARY
 - 480
 - 1971 TOPOGRAPHY (10' CONTOUR)
 - 1971 TOPOGRAPHY (2' CONTOUR)

NOTES:

- AERIAL TOPOGRAPHY PROVIDED BY SURDEX CORPORATION AND IS DATED 1971
- ALL ELEVATIONS ARE ABOVE MEAN SEA LEVEL (AMSL)
- THIS TOPOGRAPHY AND AERIAL PHOTOGRAPH REPRESENT CONDITIONS OF THE FACILITY IN 1971. THIS REPRESENTS CONDITIONS BEFORE RIM WAS ACCEPTED IN 1973

BRIDGETON LANDFILL 13570 ST. CHARLES ROCK ROAD BRIDGETON, MISSOURI 63044		BRIDGETON LANDFILL THERMAL ISOLATION BARRIER INVESTIGATION PHASE 1 REPORT		DECEMBER 2014 DESIGNED BY: PML APPROVED BY: DRF		FIGURE NO.: 9
1971 TOPOGRAPHY WITH PHASE 1 INVESTIGATION				FEEZOR ENGINEERING, INC.		
PROJECT NUMBER: BY-032 FILE PATH:				REVISION DATE		



LEGEND

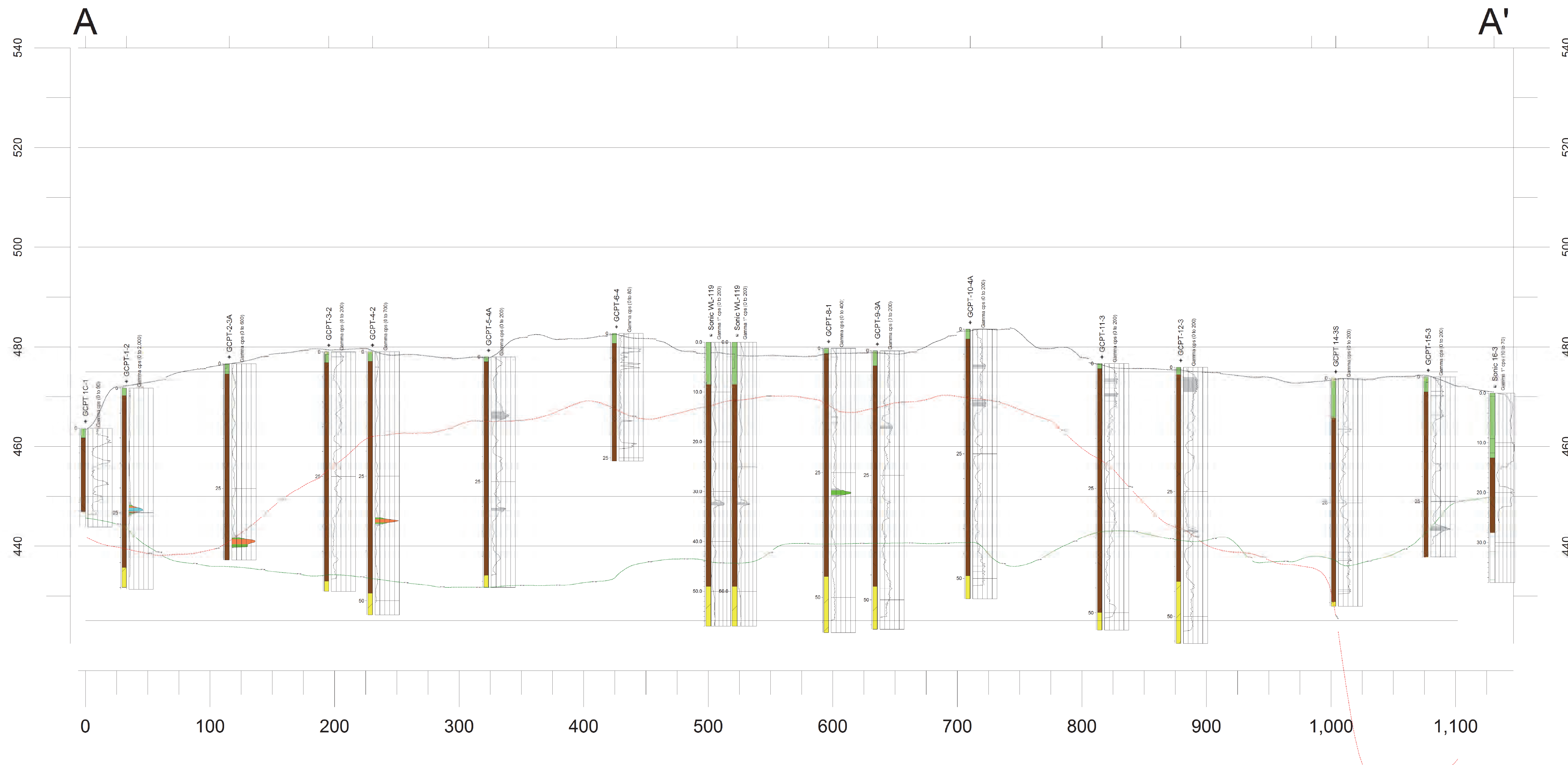
- PHASE 1 BORING LOCATION**
- ELEVATED DOWNHOLE GAMMA READING FROM PREVIOUS STUDY
- HISTORIC BOUNDARY OF ELEVATED DOWNHOLE READINGS
- NON-ELEVATED DOWNHOLE GAMMA READING FROM PREVIOUS STUDY
- HISTORIC BOUNDARY OF NON-ELEVATED DOWNHOLE READINGS
- FENCE
- OU-1 BOUNDARY
- 480
- 1975 TOPOGRAPHY (10' CONTOUR)
- 1975 TOPOGRAPHY (2' CONTOUR)

NOTES:

- AERIAL TOPOGRAPHY PROVIDED BY SURDEX CORPORATION AND IS DATED 1975
- ALL ELEVATIONS ARE ABOVE MEAN SEA LEVEL (AMSL)
- THIS TOPOGRAPHY AND AERIAL PHOTOGRAPH REPRESENT CONDITIONS OF THE FACILITY IN 1975. THIS REPRESENTS CONDITIONS BEFORE RIM WAS ACCEPTED IN 1973

BRIDGETON LANDFILL 13570 ST. CHARLES ROCK ROAD BRIDGETON, MISSOURI 63044		BRIDGETON LANDFILL THERMAL ISOLATION BARRIER INVESTIGATION PHASE 1 REPORT		DECEMBER 2014 DESIGNED BY: PML APPROVED BY: DBF		FIGURE NO.: <div style="font-size: 48pt; font-weight: bold; text-align: center;">10</div>
1975 TOPOGRAPHY WITH PHASE 1 INVESTIGATION		Engineering for a Better World <div style="font-size: 24pt; font-weight: bold; text-align: center;">FEEZOR</div> ENGINEERING, INC.				
PROJECT NUMBER: 14-055 FILE CODE:				REVISION: DATE:		

PROFILE A-A'



LEGEND (PROFILE)

- PROFILE - CURRENT GROUND SURFACE
- PROFILE - 1975 GROUND SURFACE
- PROFILE - 1971 GROUND SURFACE

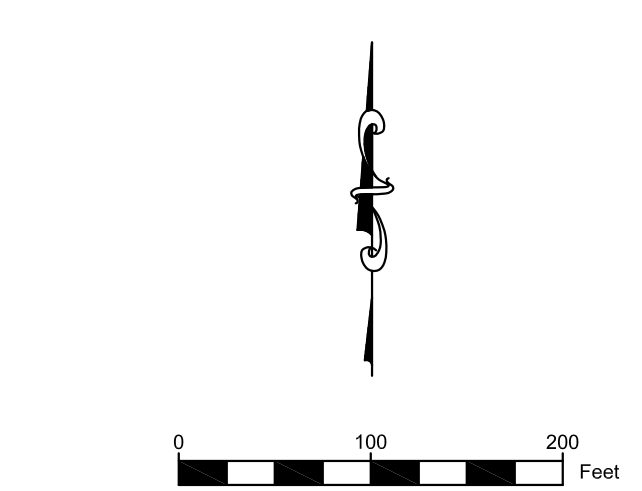
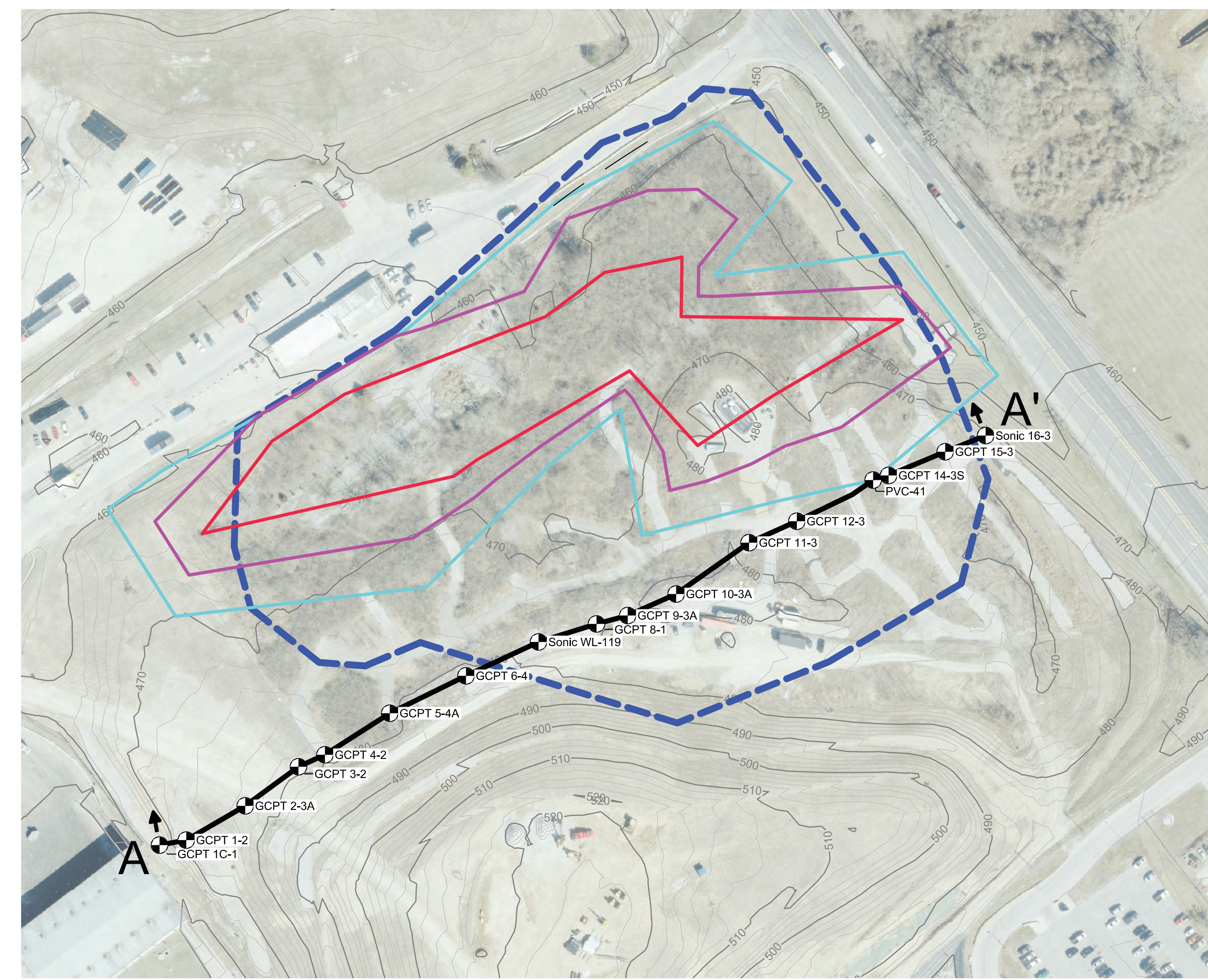
Stratigraphy Index

- Inert Fill
- Waste
- Alluvium
- Rock

GAMMA COUNTS (CPS)

- 100 - 200
- 200 - 400
- 400 - 800
- 800 - 1500
- 1500 - 2500
- 2500 - 5000
- 5000 - 15000

PROFILE ILLUSTRATION PROVIDED BY
P.J. CAREY & ASSOCIATES, P.C.



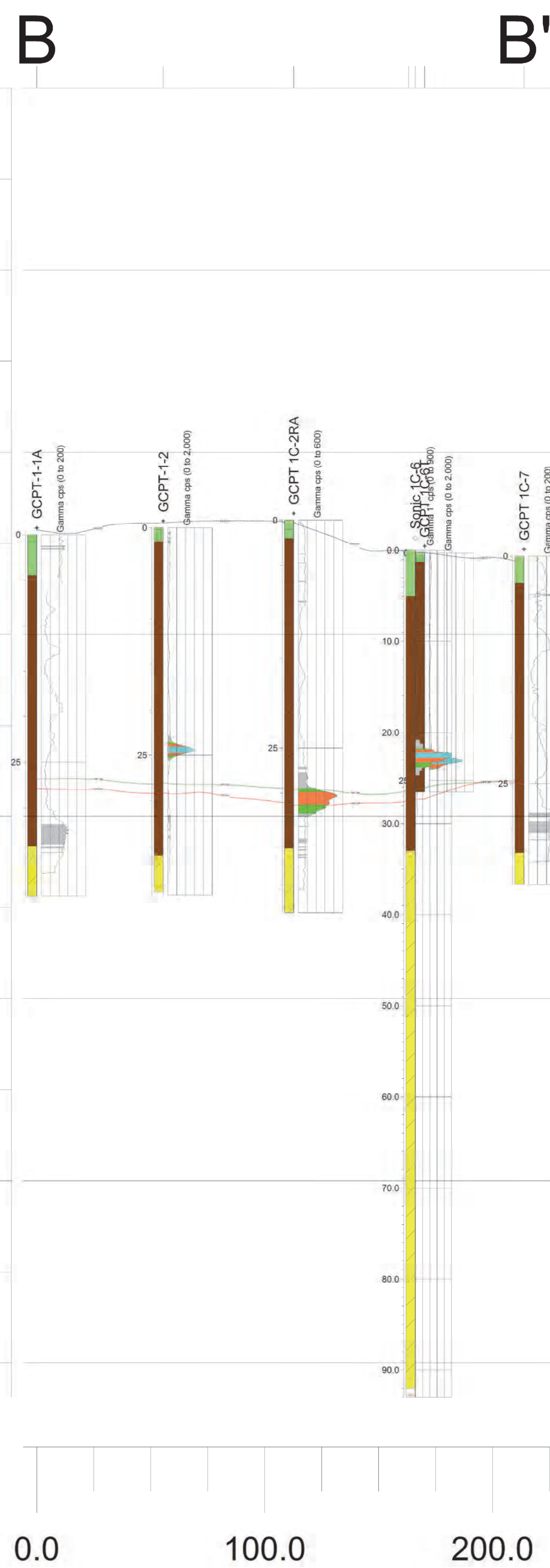
LEGEND (PLAN)

- BORING LOCATION
- 2014 TOPOGRAPHY (2' CONTOUR)
- 2014 TOPOGRAPHY (10' CONTOUR)
- ALIGNMENT
- HISTORIC BOUNDARY OF ELEVATED DOWNHOLE READINGS
- HISTORIC BOUNDARY OF NON-ELEVATED DOWNHOLE READINGS
- HISTORIC BOUNDARY OF INTERPOLATED RIM LIMITS
- FENCE
- OU-1 BOUNDARY

NOTES:

- AERIAL TOPOGRAPHY PROVIDED BY COOPER AERIAL SURVEYS CO. AND IS DATED MARCH 20, 2014.
- ALL ELEVATIONS ARE ABOVE MEAN SEA LEVEL (AMSL).
- THIS CROSS SECTION REPRESENTS THE GAMMA SCANS FROM THE GAMMA CONE PENETRATION TEST (GCPT) AND THE DOWNHOLE GAMMA LOGGING FROM THE SONIC DRILLING AND THE HISTORICAL REMEDIAL INVESTIGATION BORINGS. THE GAMMA COUNTS (IN COUNTS PER SECOND) ARE SHOWN ON THE STRIP LOGS. UNEQUAL SCALES ARE USED TO SHOW THE DEGREE OF VARIATION OF THE GAMMA DISTRIBUTION, WHILE COLOR SHADING IS USED TO ILLUSTRATE THE DISTRIBUTION OF ELEVATED GAMMA LEVELS MEASURED.

PROFILE B-B'



LEGEND (PROFILE)

- PROFILE - CURRENT GROUND SURFACE
- PROFILE - 1975 GROUND SURFACE
- PROFILE - 1971 GROUND SURFACE

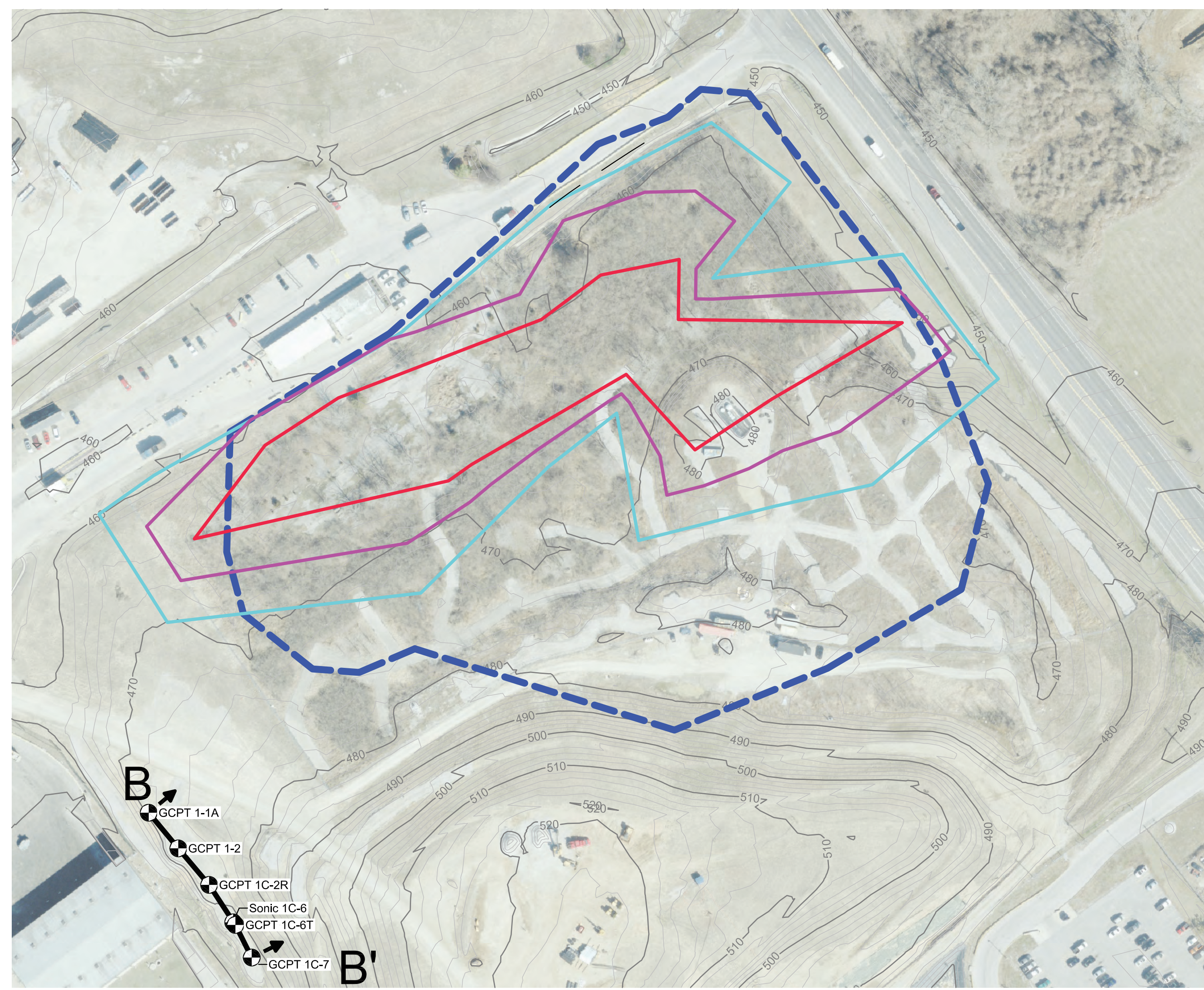
Stratigraphy Index

- Inert Fill
- Waste
- Alluvium
- Rock

GAMMA COUNTS (CPS)

- 100 - 200
- 200 - 400
- 400 - 800
- 800 - 1500
- 1500 - 2500
- 2500 - 5000
- 5000 - 15000

PROFILE ILLUSTRATION PROVIDED BY
P.J. CAREY & ASSOCIATES, P.C.

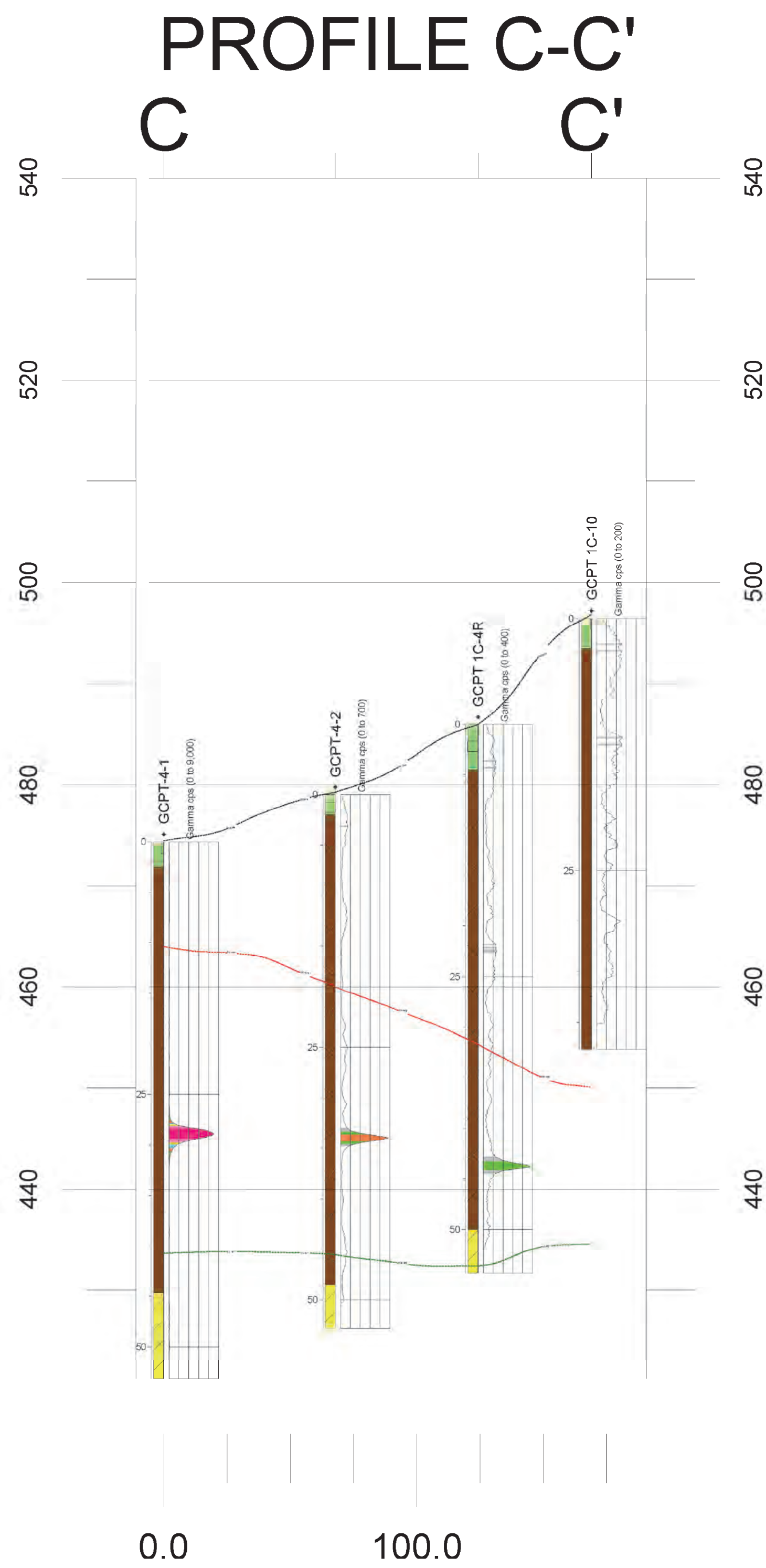


LEGEND (PLAN)

- BORING LOCATION
- 2014 TOPOGRAPHY (2' CONTOUR)
- 2014 TOPOGRAPHY (10' CONTOUR)
- ALIGNMENT
- HISTORIC BOUNDARY OF ELEVATED DOWNHOLE READINGS
- HISTORIC BOUNDARY OF NON-ELEVATED DOWNHOLE READINGS
- HISTORIC BOUNDARY OF INTERPOLATED RIM LIMITS
- FENCE
- OU-1 BOUNDARY

NOTES:

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LEGEND (PROFILE)

PROFILE - CURRENT GROUND SURFACE
PROFILE - 1975 GROUND SURFACE
PROFILE - 1971 GROUND SURFACE

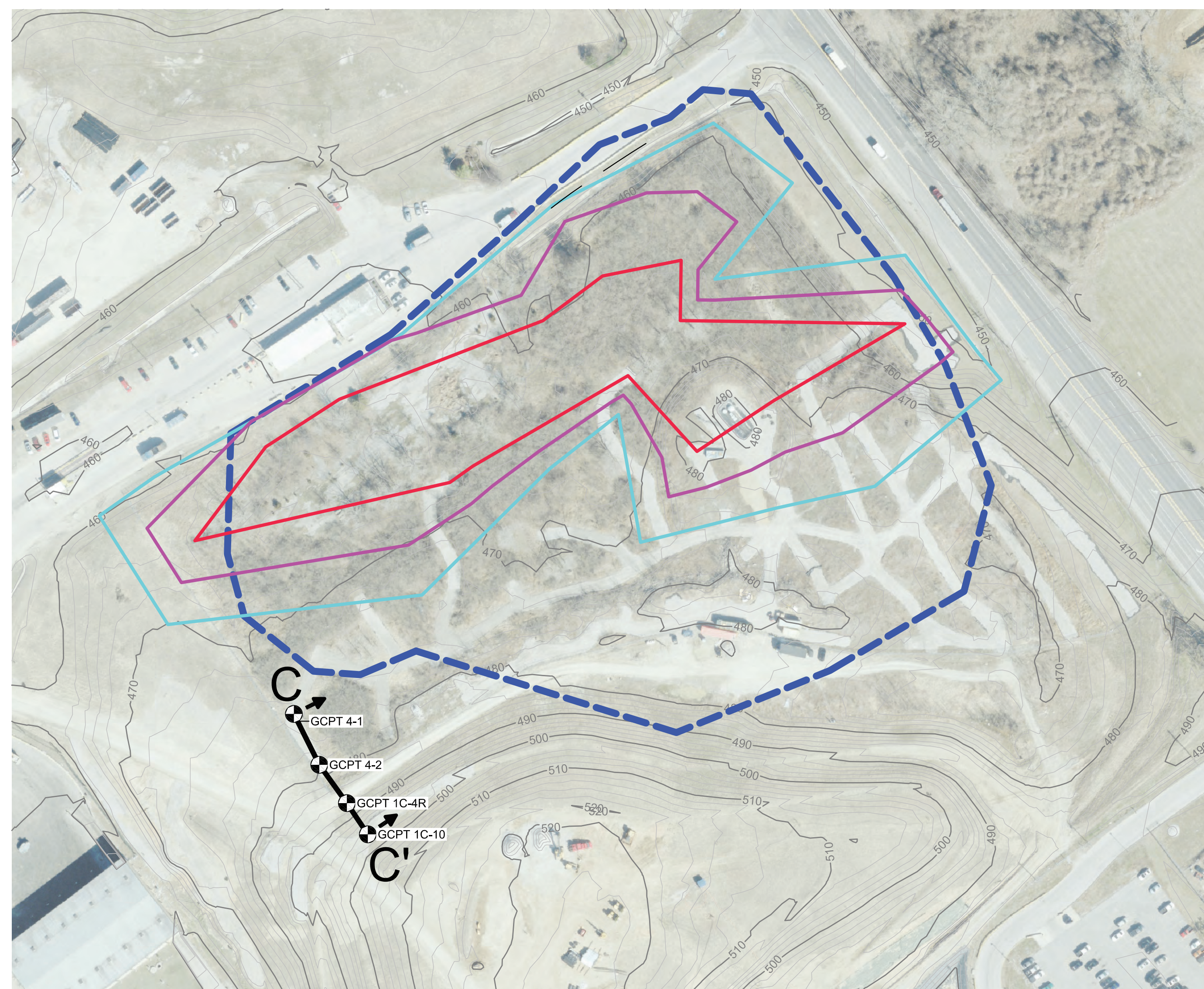
Stratigraphy Index

- Inert Fill
- Waste
- Alluvium
- Rock

GAMMA COUNTS (CPS)

- 100 - 200
- 200 - 400
- 400 - 800
- 800 - 1500
- 1500 - 2500
- 2500 - 5000
- 5000 - 15000

PROFILE ILLUSTRATION PROVIDED BY
P.J. CAREY & ASSOCIATES, P.C.

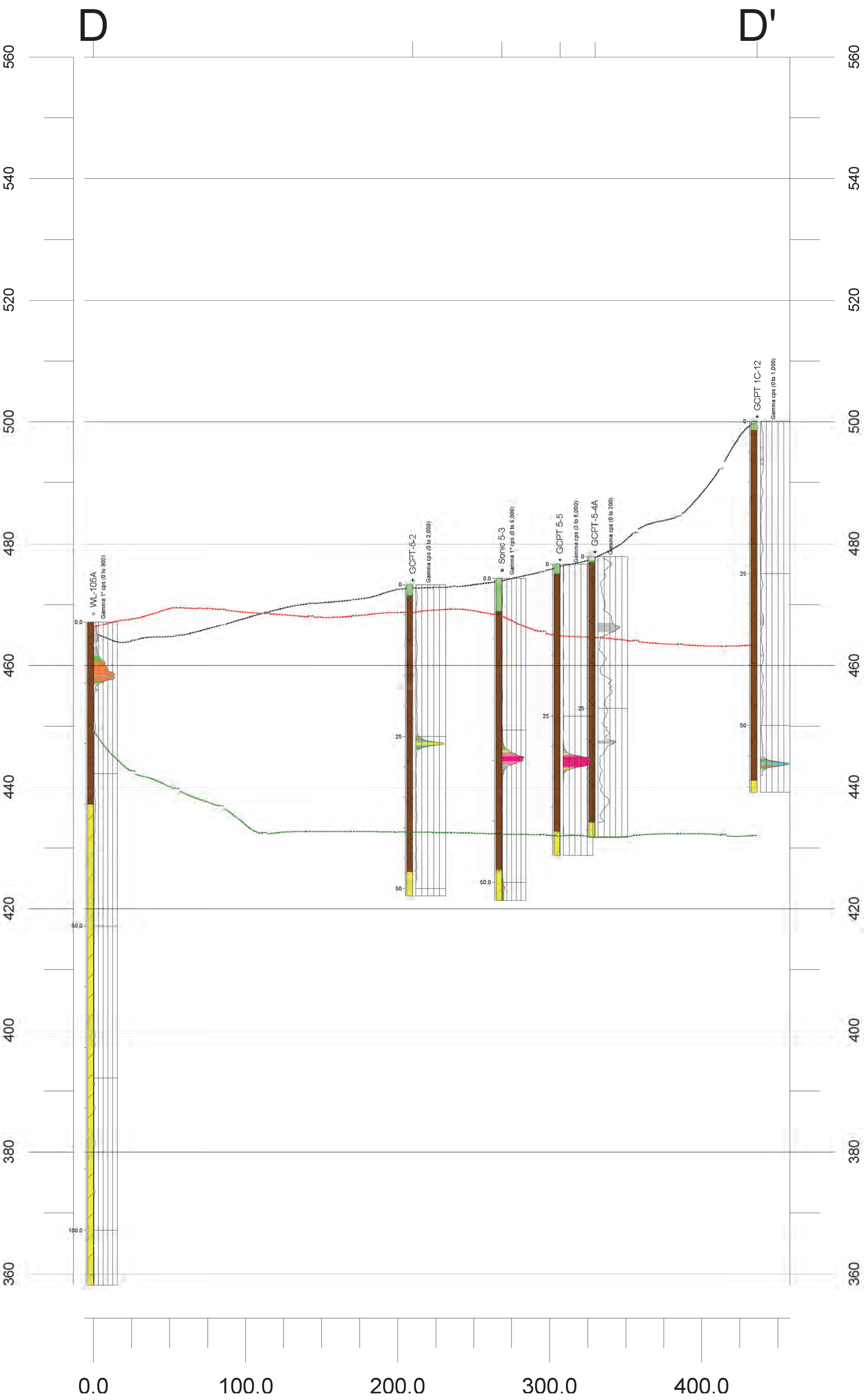


- LEGEND (PLAN)
- BORING LOCATION
 - 2014 TOPOGRAPHY (2' CONTOUR)
 - 2014 TOPOGRAPHY (10' CONTOUR)
 - ALIGNMENT
 - HISTORIC BOUNDARY OF ELEVATED DOWNHOLE READINGS
 - HISTORIC BOUNDARY OF NON-ELEVATED DOWNHOLE READINGS
 - HISTORIC BOUNDARY OF INTERPOLATED RIM LIMITS
 - FENCE
 - OU-1 BOUNDARY

NOTES:

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PROFILE D-D'



LEGEND (PROFILE)

- PROFILE - CURRENT GROUND SURFACE
- PROFILE - 1975 GROUND SURFACE
- PROFILE - 1971 GROUND SURFACE

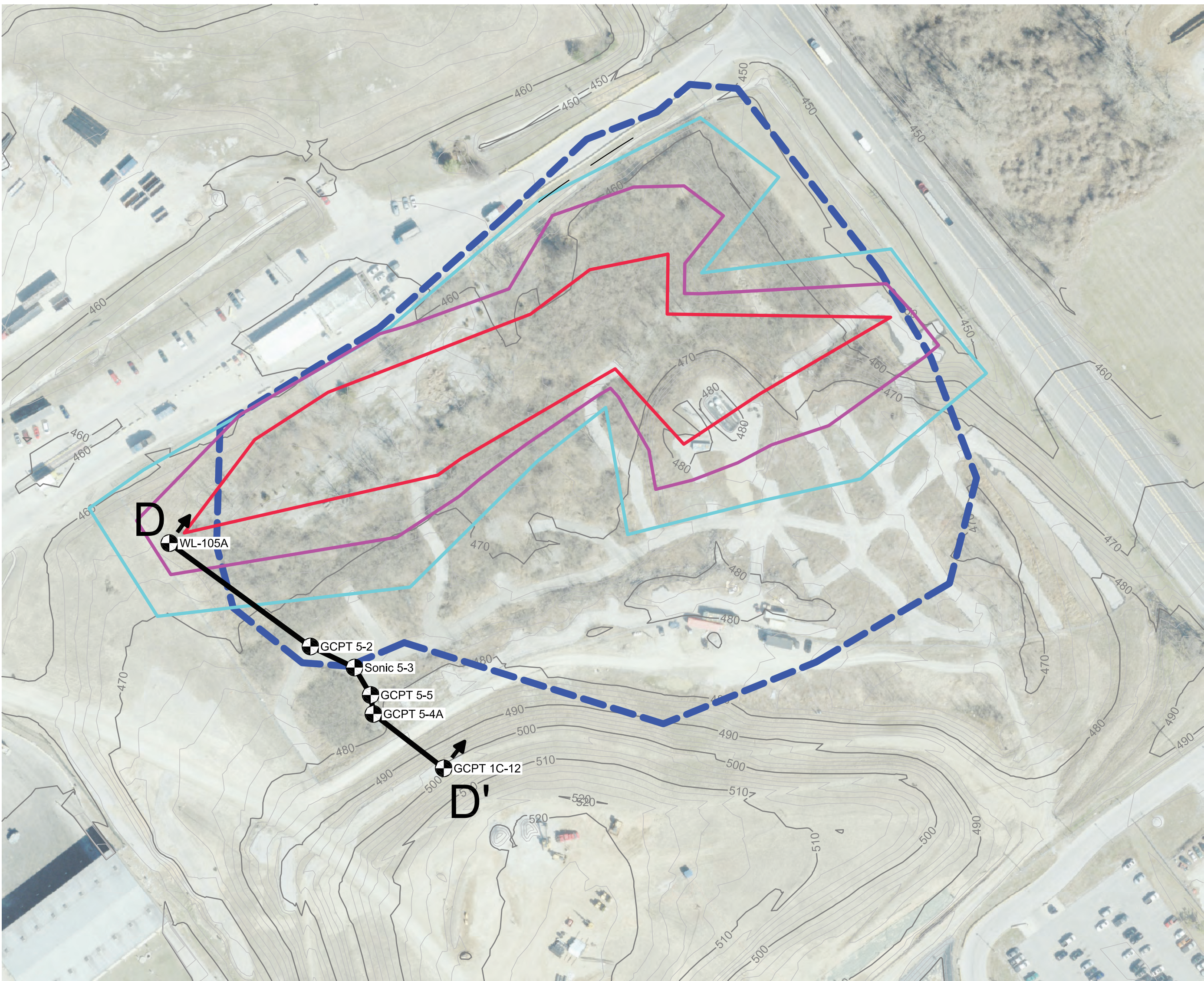
Stratigraphy Index

- Inert Fill
- Waste
- Alluvium
- Rock

GAMMA COUNTS (CPS)

- 100 - 200
- 200 - 400
- 400 - 800
- 800 - 1500
- 1500 - 2500
- 2500 - 5000
- 5000 - 15000

PROFILE ILLUSTRATION PROVIDED BY
P.J. CAREY & ASSOCIATES, P.C.



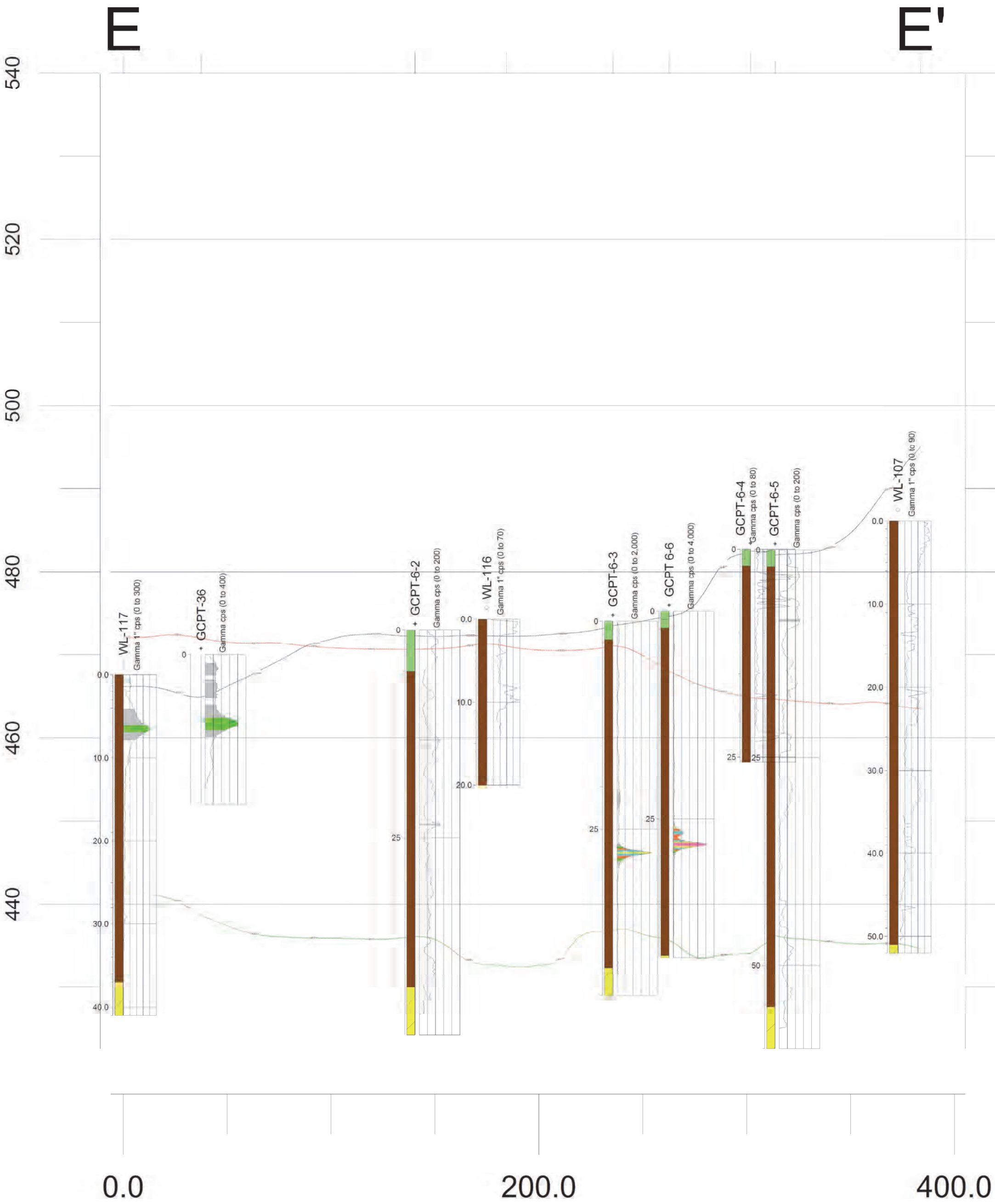
LEGEND (PLAN)

- BORING LOCATION
- 2014 TOPOGRAPHY (2' CONTOUR)
- 2014 TOPOGRAPHY (10' CONTOUR)
- ALIGNMENT
- HISTORIC BOUNDARY OF ELEVATED DOWNHOLE READINGS
- HISTORIC BOUNDARY OF NON-ELEVATED DOWNHOLE READINGS
- HISTORIC BOUNDARY OF INTERPOLATED RIM LIMITS
- FENCE
- OU-1 BOUNDARY

NOTES:

- AERIAL TOPOGRAPHY PROVIDED BY COOPER AERIAL SURVEYS
- CO. AND IS DATED MARCH 20, 2014
- ALL ELEVATIONS ARE ABOVE MEAN SEA LEVEL (AMSL)
- THIS CROSS SECTION REPRESENTS THE GAMMA SCANS FROM THE GAMMA CONE PENETRATION TEST (GCPT) AND THE DOWNHOLE GAMMA LOGGING FROM THE SONIC DRILLING AND THE HISTORICAL REMEDIAL INVESTIGATION BORINGS. THE GAMMA COUNTS (IN COUNTS PER SECOND) ARE SHOWN ON THE STRIP LOGS. UNEQUAL SCALES ARE USED TO SHOW THE DEGREE OF VARIATION OF THE GAMMA DISTRIBUTION, WHILE COLOR SHADING IS USED TO ILLUSTRATE THE DISTRIBUTION OF ELEVATED GAMMA LEVELS MEASURED.

PROFILE E-E'



LEGEND (PROFILE)

- PROFILE - CURRENT GROUND SURFACE
- PROFILE - 1975 GROUND SURFACE
- PROFILE - 1971 GROUND SURFACE

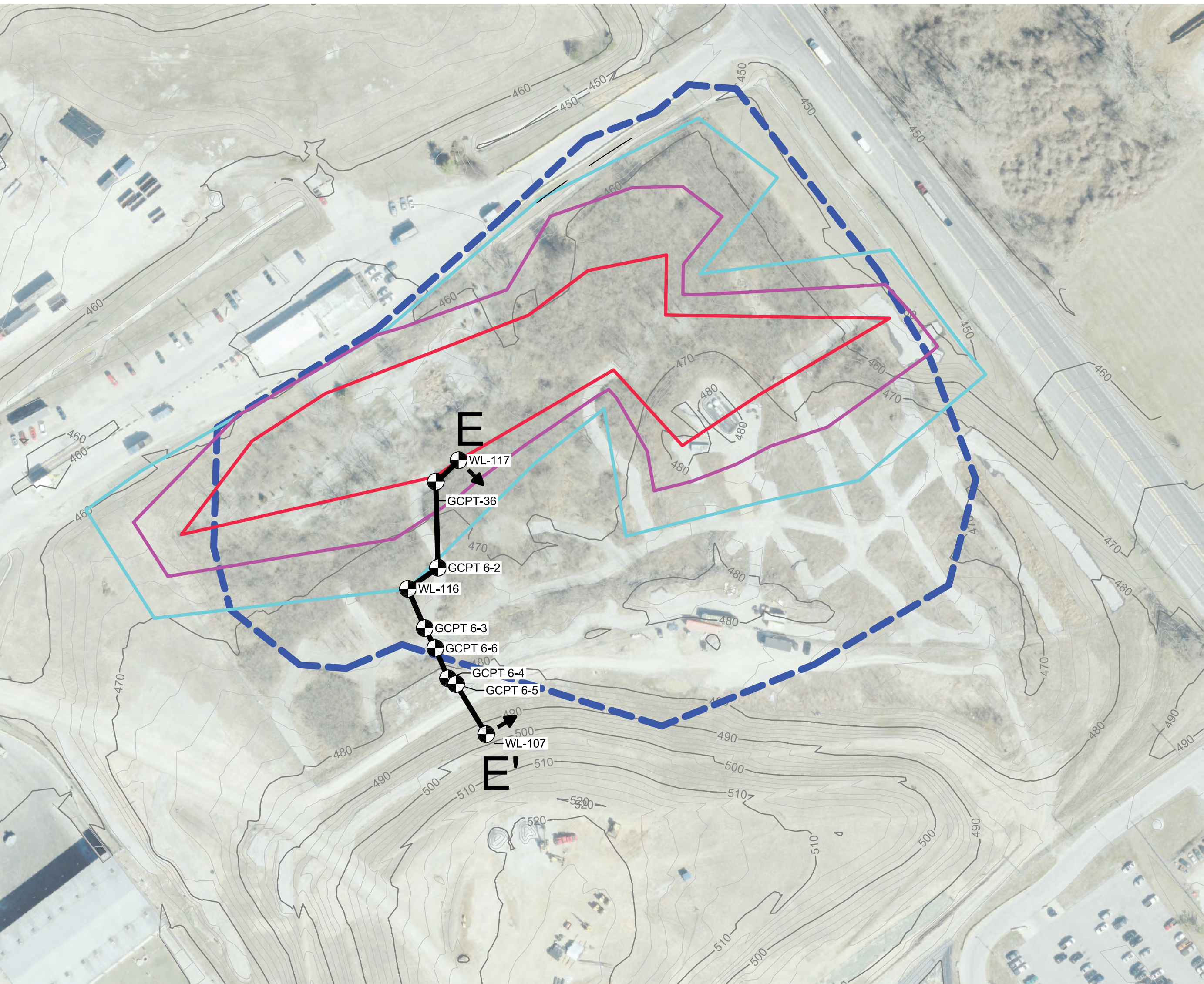
Stratigraphy Index

- Inert Fill
- Waste
- Alluvium
- Rock

GAMMA COUNTS (CPS)

- 100 - 200
- 200 - 400
- 400 - 800
- 800 - 1500
- 1500 - 2500
- 2500 - 5000
- 5000 - 15000

PROFILE ILLUSTRATION PROVIDED BY
P.J. CAREY & ASSOCIATES, P.C.

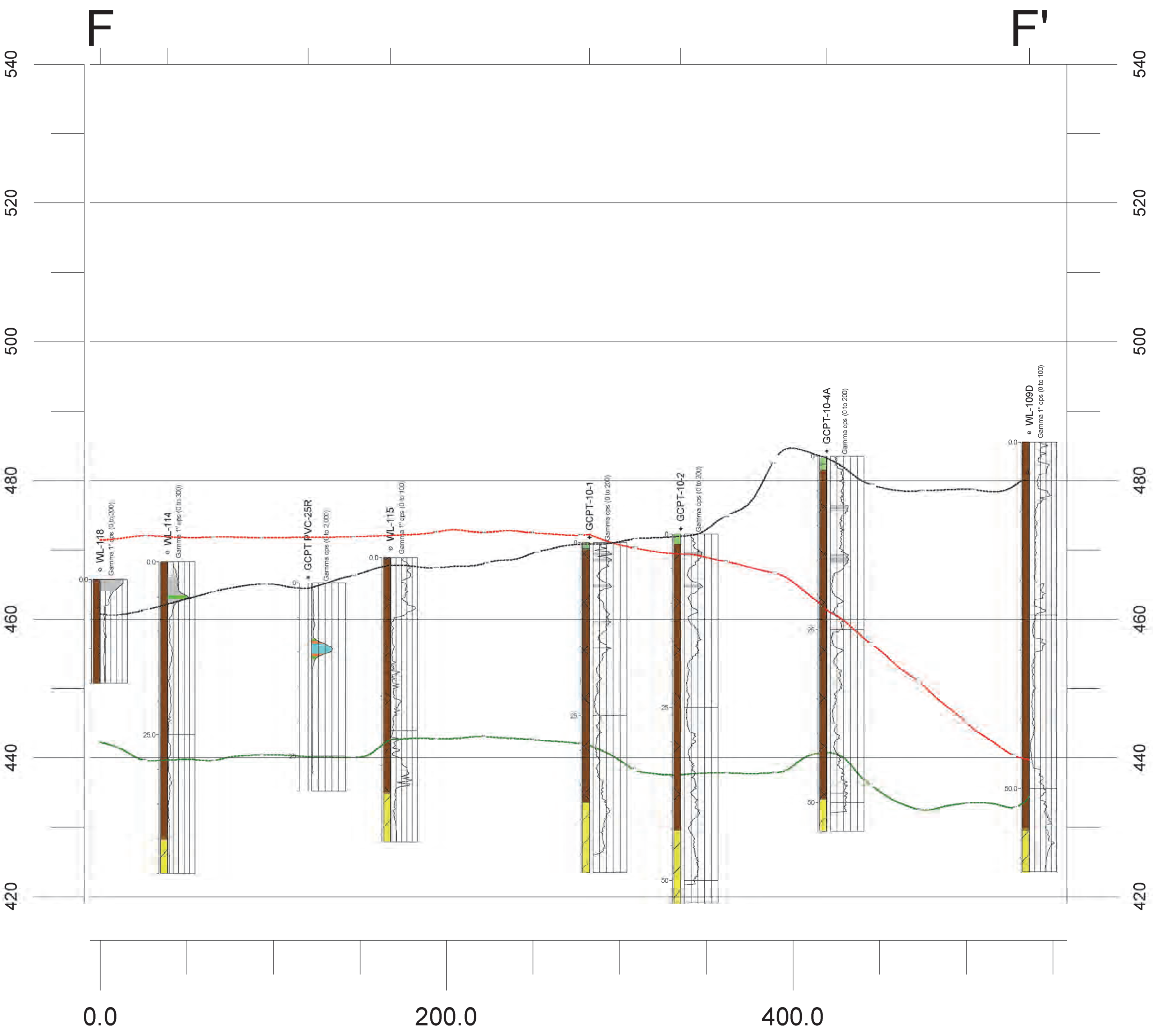


LEGEND (PLAN)

- BORING LOCATION
- 2014 TOPOGRAPHY (2' CONTOUR)
- 2014 TOPOGRAPHY (10' CONTOUR)
- ALIGNMENT
- HISTORIC BOUNDARY OF ELEVATED DOWNHOLE READINGS
- HISTORIC BOUNDARY OF NON-ELEVATED DOWNHOLE READINGS
- HISTORIC BOUNDARY OF INTERPOLATED RIM LIMITS
- FENCE
- OU-1 BOUNDARY

- NOTES:
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 - ALL ELEVATIONS ARE ABOVE MEAN SEA LEVEL (AMSL).
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PROFILE F-F'



LEGEND (PROFILE)

- PROFILE - CURRENT GROUND SURFACE
- PROFILE - 1975 GROUND SURFACE
- PROFILE - 1971 GROUND SURFACE

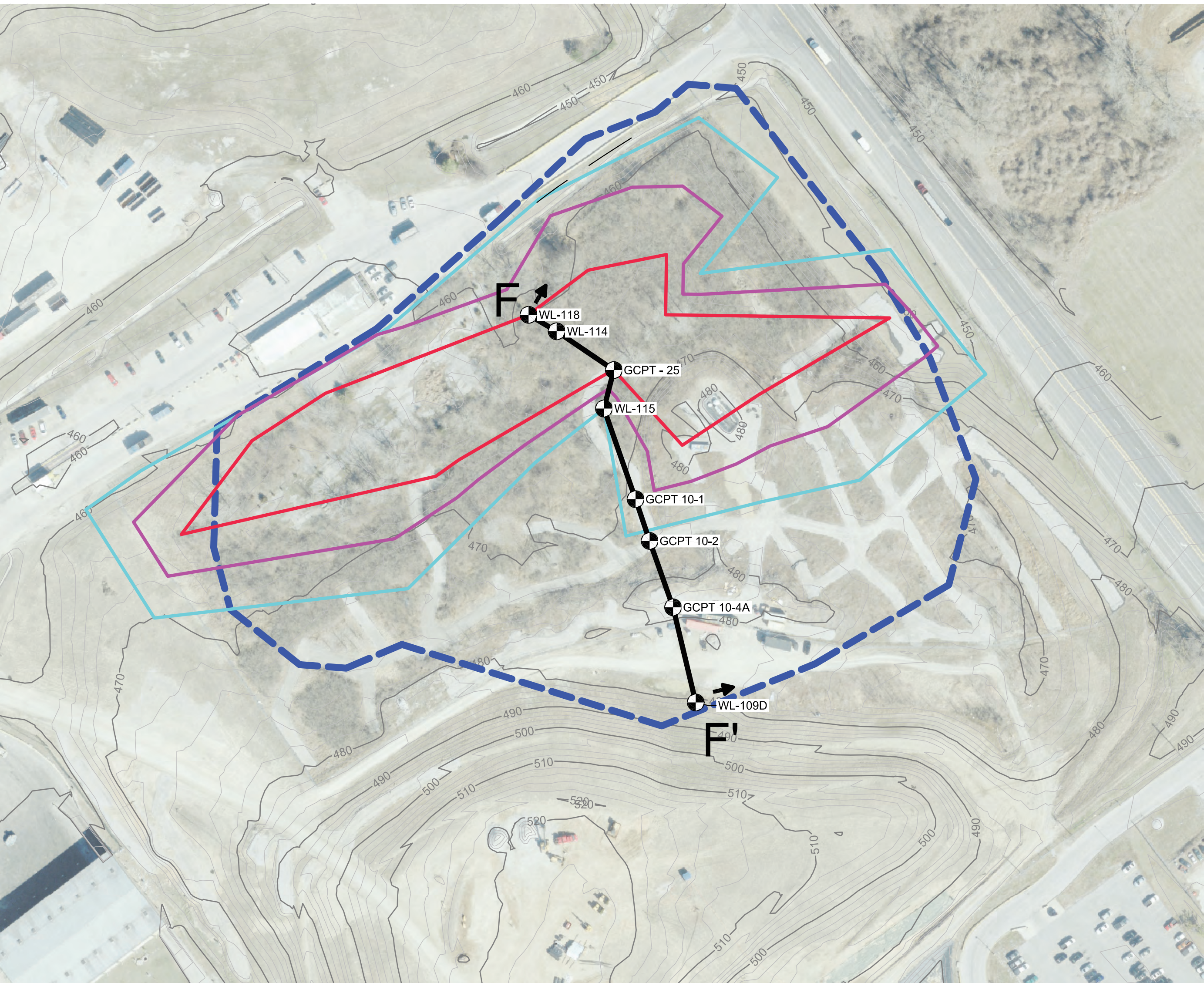
Stratigraphy Index

- Inert Fill
- Waste
- Alluvium
- Rock

GAMMA COUNTS (CPS)

- 100 - 200
- 200 - 400
- 400 - 800
- 800 - 1500
- 1500 - 2500
- 2500 - 5000
- 5000 - 15000

PROFILE ILLUSTRATION PROVIDED BY
P.J. CAREY & ASSOCIATES, P.C.

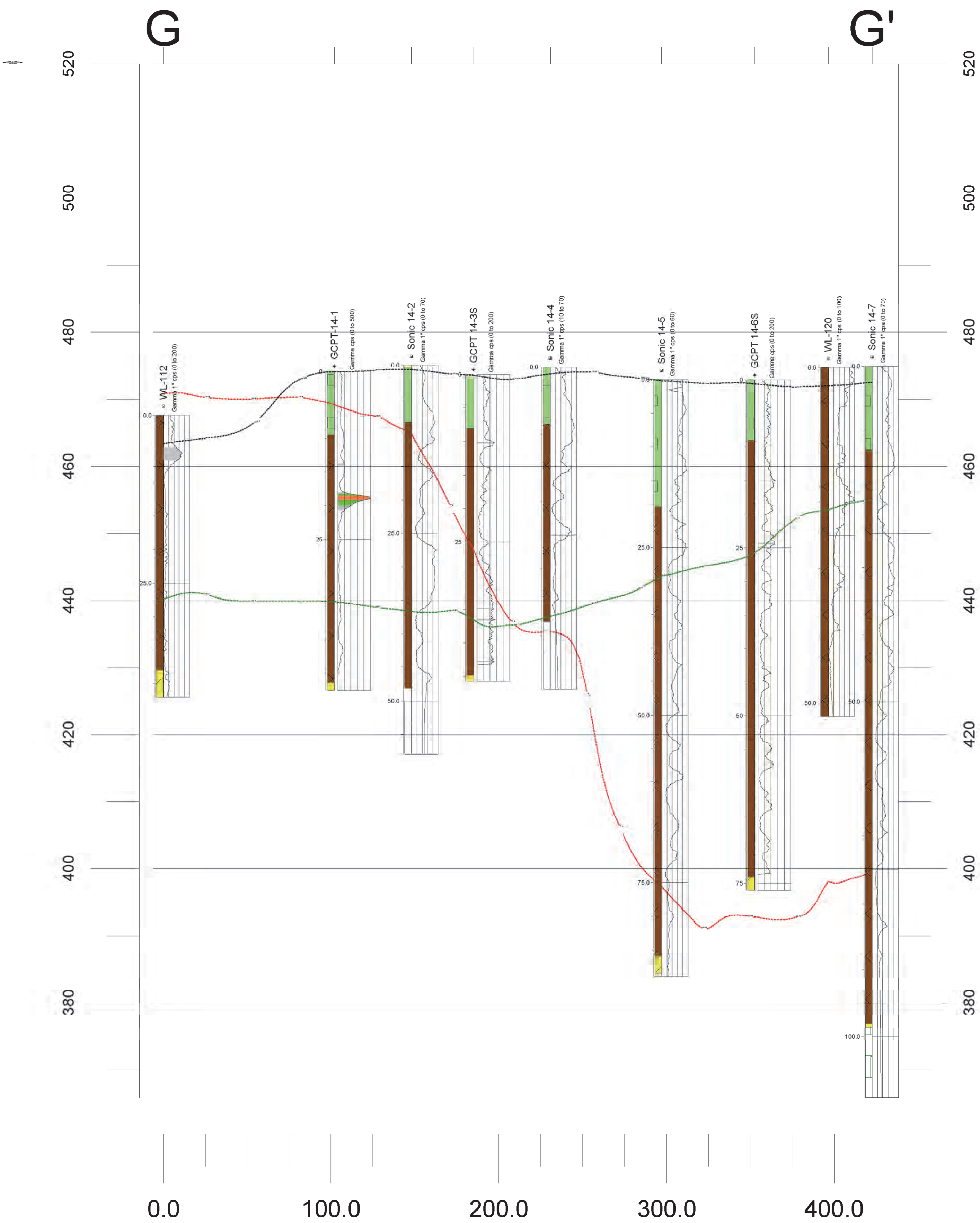


LEGEND (PLAN)

- BORING LOCATION
- 2014 TOPOGRAPHY (2' CONTOUR)
- 2014 TOPOGRAPHY (10' CONTOUR)
- ALIGNMENT
- HISTORIC BOUNDARY OF ELEVATED DOWNHOLE READINGS
- HISTORIC BOUNDARY OF NON-ELEVATED DOWNHOLE READINGS
- HISTORIC BOUNDARY OF INTERPOLATED RIM LIMITS
- FENCE
- OU-1 BOUNDARY

NOTES:
• AERIAL TOPOGRAPHY PROVIDED BY COOPER AERIAL SURVEYS
CO. AND IS DATED MARCH 20, 2014
• ALL ELEVATIONS ARE ABOVE MEAN SEA LEVEL (AMSL)
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PROFILE G-G'



LEGEND (PROFILE)

- PROFILE - CURRENT GROUND SURFACE
- PROFILE - 1975 GROUND SURFACE
- PROFILE - 1971 GROUND SURFACE

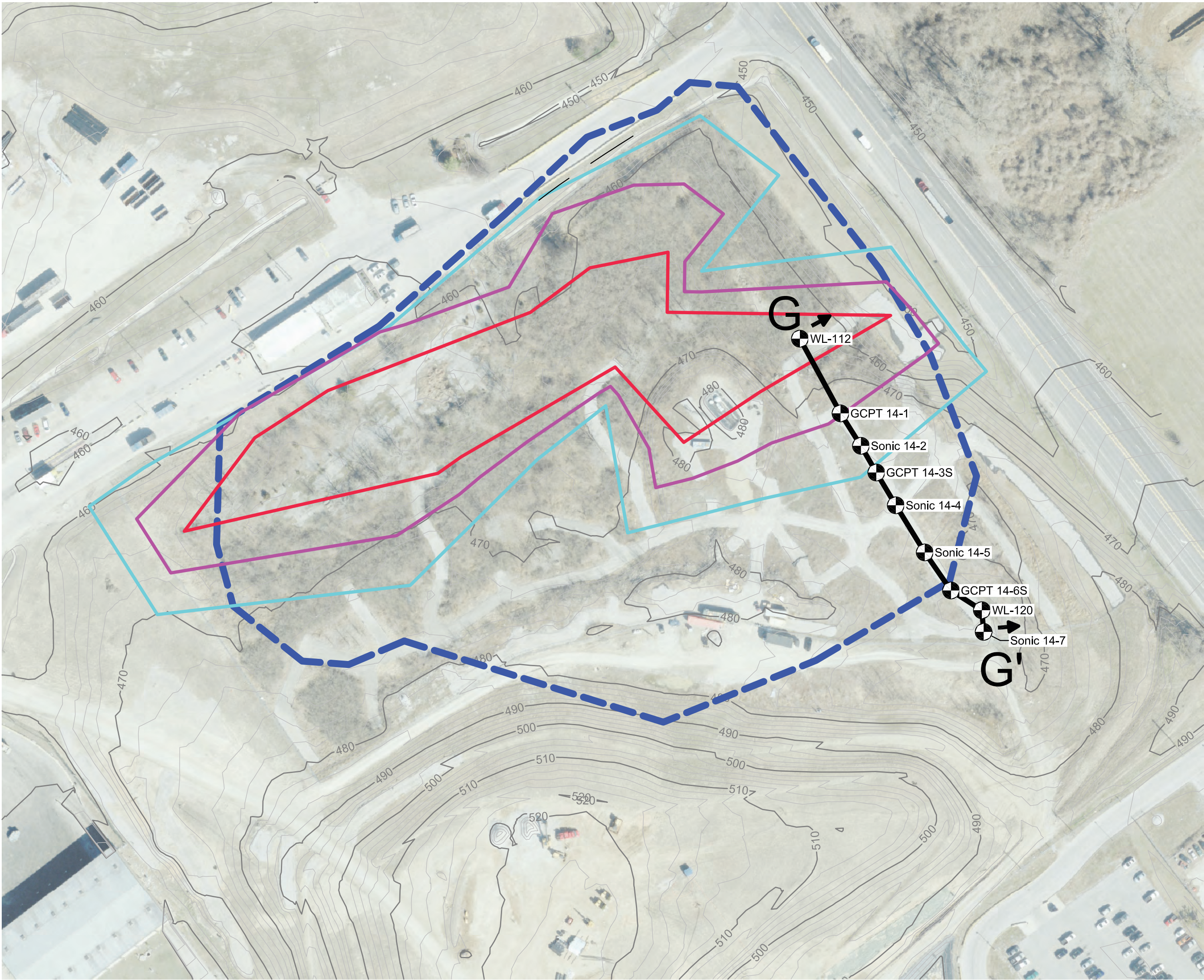
Stratigraphy Index

- Inert Fill
- Waste
- Alluvium
- Rock

GAMMA COUNTS (CPS)

- 100 - 200
- 200 - 400
- 400 - 800
- 800 - 1500
- 1500 - 2500
- 2500 - 5000
- 5000 - 15000

PROFILE ILLUSTRATION PROVIDED BY
P.J. CAREY & ASSOCIATES, P.C.

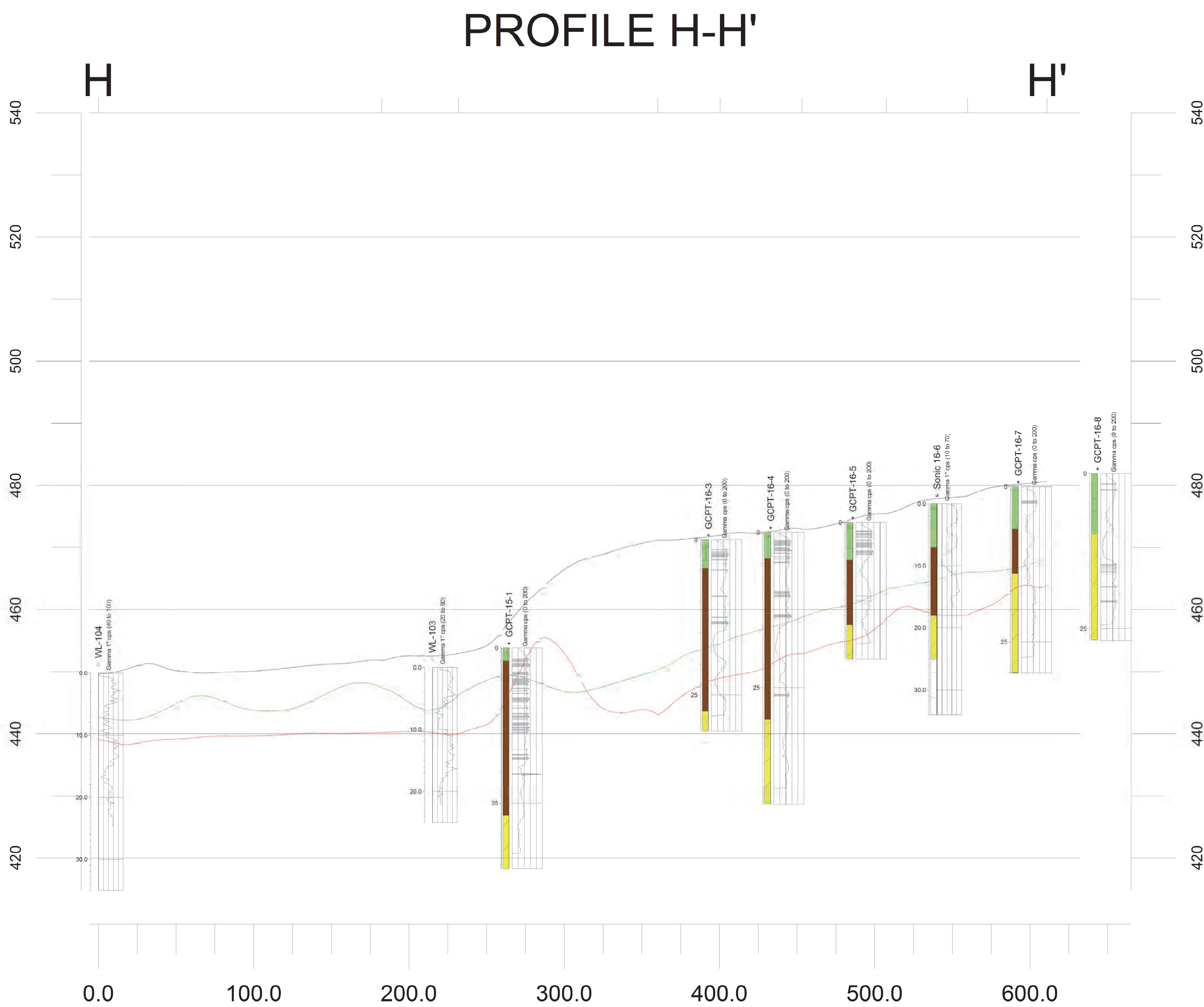


LEGEND (PLAN)

- BORING LOCATION
- 2014 TOPOGRAPHY (2' CONTOUR)
- 2014 TOPOGRAPHY (10' CONTOUR)
- ALIGNMENT
- HISTORIC BOUNDARY OF ELEVATED DOWNHOLE READINGS
- HISTORIC BOUNDARY OF NON-ELEVATED DOWNHOLE READINGS
- HISTORIC BOUNDARY OF INTERPOLATED RIM LIMITS
- FENCE
- OU-1 BOUNDARY

NOTES:

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LEGEND (PROFILE)

- PROFILE - CURRENT GROUND SURFACE
- PROFILE - 1975 GROUND SURFACE
- PROFILE - 1971 GROUND SURFACE

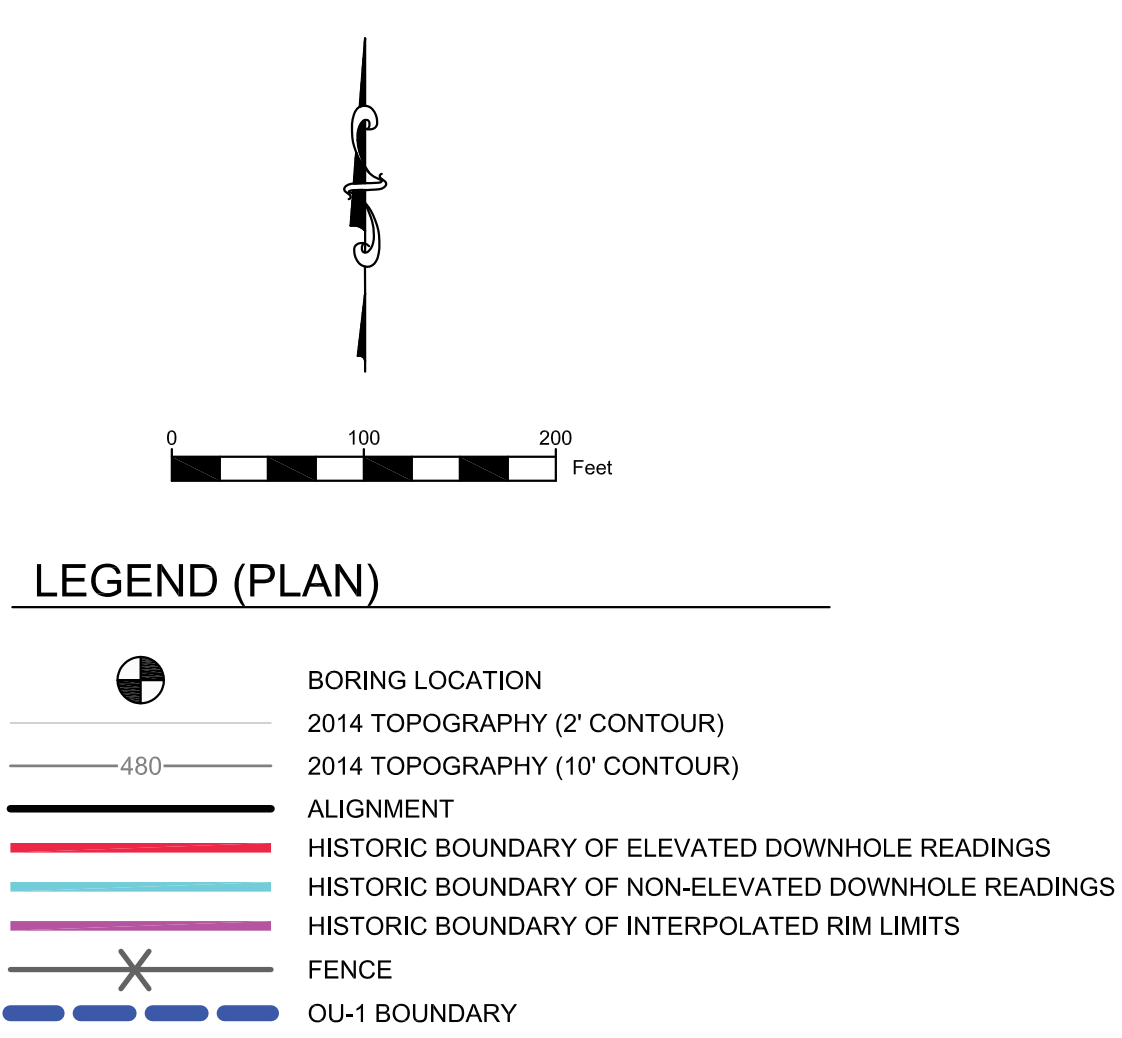
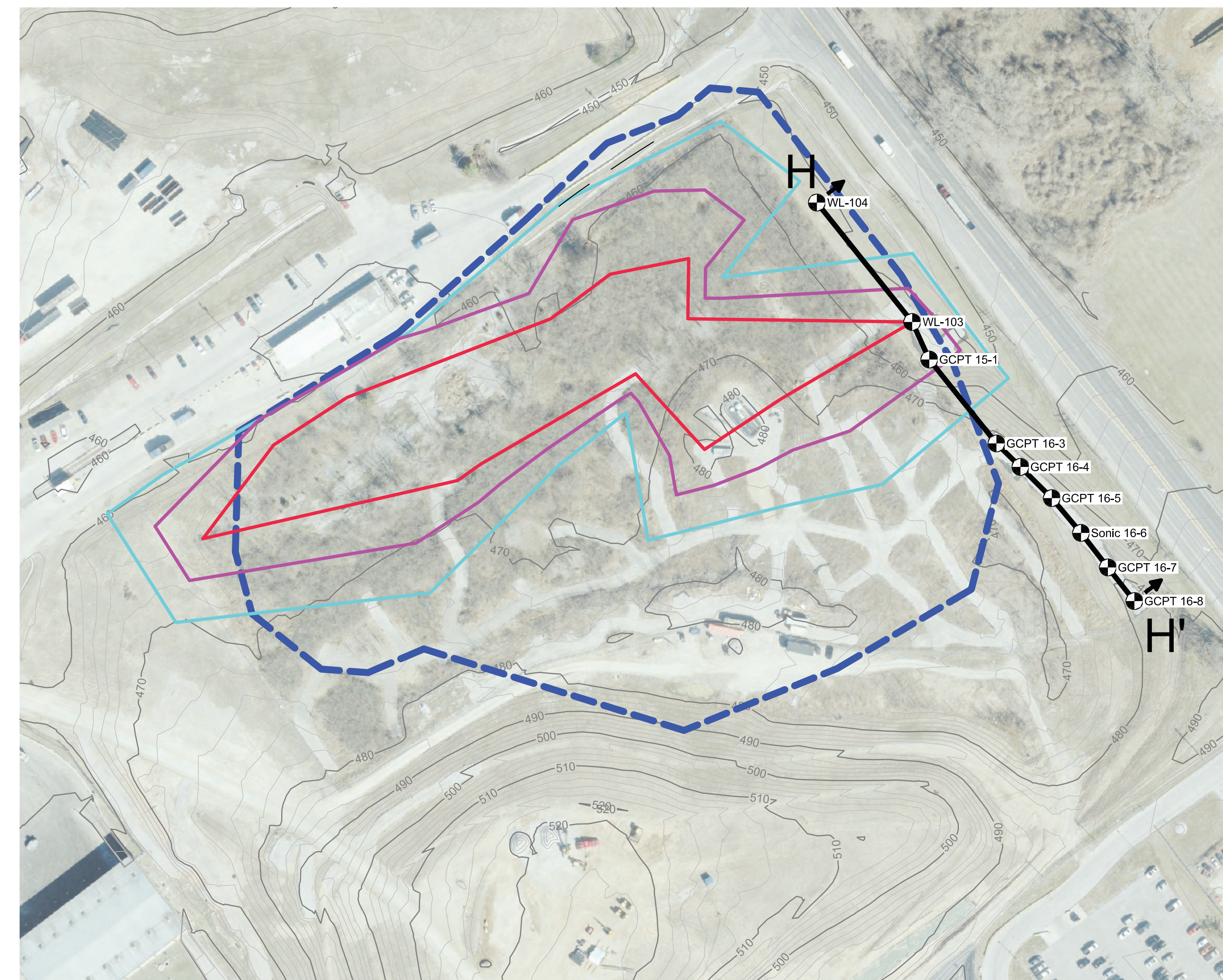
Stratigraphy Index

- Inert Fill
- Waste
- Alluvium
- Rock

GAMMA COUNTS (CPS)

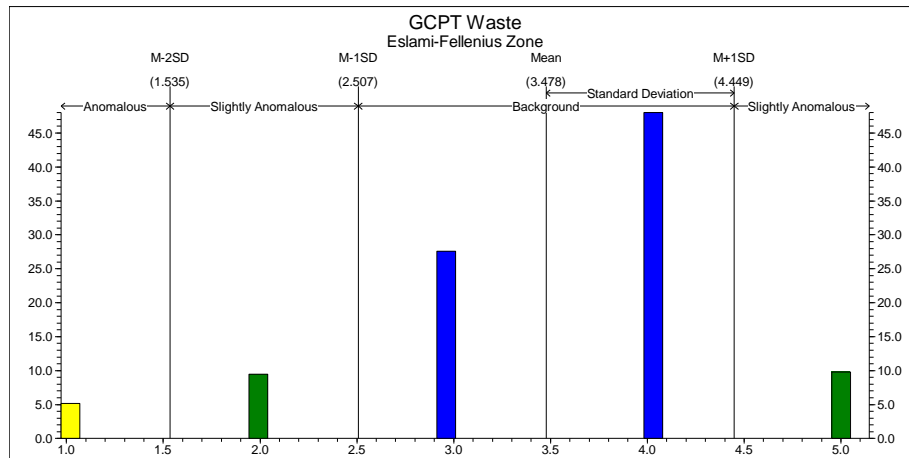
- 100 - 200
- 200 - 400
- 400 - 800
- 800 - 1500
- 1500 - 2500
- 2500 - 5000
- 5000 - 15000

PROFILE ILLUSTRATION PROVIDED BY
P.J. CAREY & ASSOCIATES, P.C.



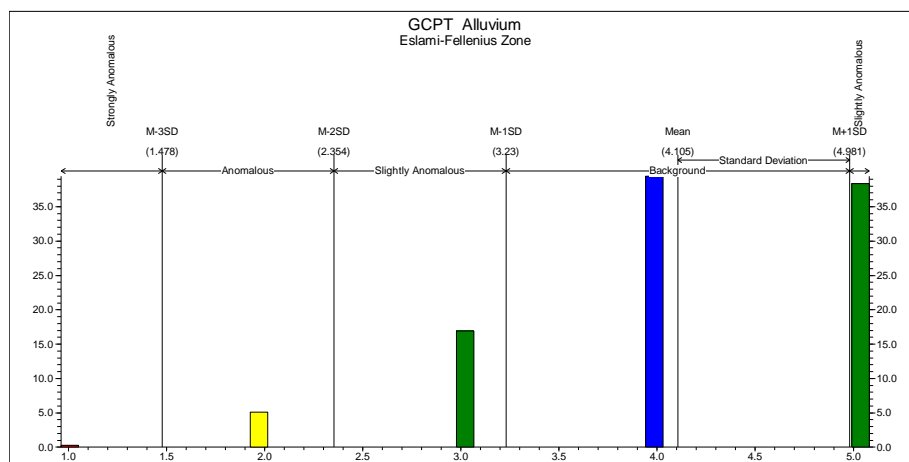
NOTES:

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- CO. AND IS DATED MARCH 20, 2014
- ALL ELEVATIONS ARE ABOVE MEAN SEA LEVEL (AMSL)
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Statistical Summary	
Population	20773
Minimum Value	1.0
Maximum Value	5.0
Range	4.0
Mean	3.47788
Standard Deviation	0.97121
Standard Error	0.00674
Median	4.0
Sum	72,246.0
Sum of Squares	270,856.0
Variance	0.94325
Skewness	-0.77086
Kurtosis	0.33557
Coefficient of Variation	0.27925
Mean - 1 Standard Deviations	2.50667
Mean - 2 Standard Deviations	1.53546
Mean - 3 Standard Deviations	0.56426
Mean - 4 Standard Deviations	-0.40695
Mean + 1 Standard Deviations	4.44909
Mean + 2 Standard Deviations	5.4203
Mean + 3 Standard Deviations	6.3915
Mean + 4 Standard Deviations	7.36271
Background Population	15708
Slightly Anomalous Population	3995
Moderately Anomalous Population	1070
Strongly Anomalous Population	0
Extremely Anomalous Population	0

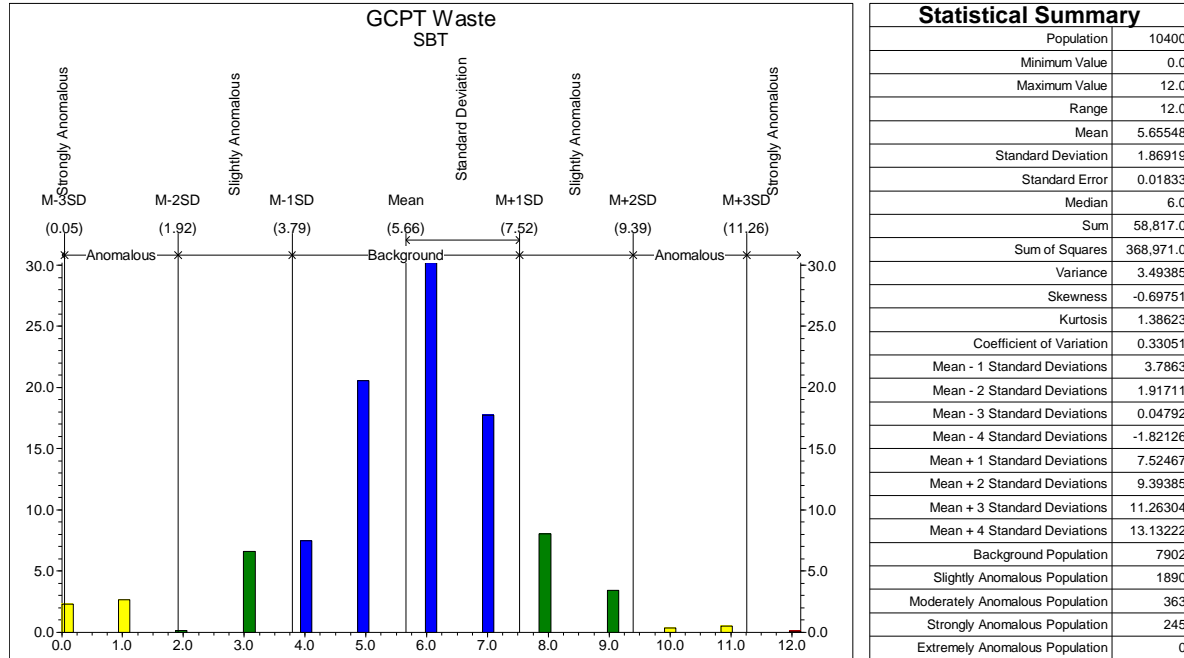
HISTOGRAM OF ZONE FOR WASTE MATERIALS



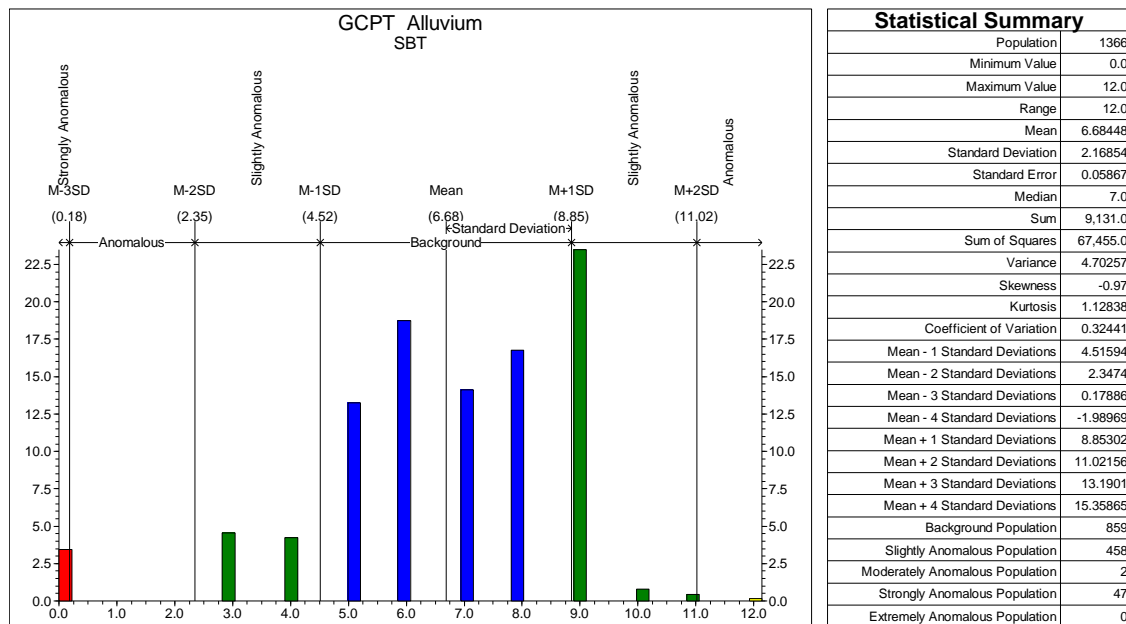
Statistical Summary	
Population	2798
Minimum Value	1.0
Maximum Value	5.0
Range	4.0
Mean	4.10543
Standard Deviation	0.87591
Standard Error	0.01656
Median	4.0
Sum	11,487.0
Sum of Squares	49,305.0
Variance	0.76721
Skewness	-0.7483
Kurtosis	-0.06432
Coefficient of Variation	0.21335
Mean - 1 Standard Deviations	3.22952
Mean - 2 Standard Deviations	2.35362
Mean - 3 Standard Deviations	1.47771
Mean - 4 Standard Deviations	0.6018
Mean + 1 Standard Deviations	4.98134
Mean + 2 Standard Deviations	5.85725
Mean + 3 Standard Deviations	6.73315
Mean + 4 Standard Deviations	7.60906
Background Population	1103
Slightly Anomalous Population	1546
Moderately Anomalous Population	142
Strongly Anomalous Population	7
Extremely Anomalous Population	0

HISTOGRAM OF ZONE FOR ALLUVIUM

**FIGURE 19 - DISTRIBUTION OF ESLAMI-FELLENIS ZONE
WASTE AND ALLUVIAL MATERIALS**

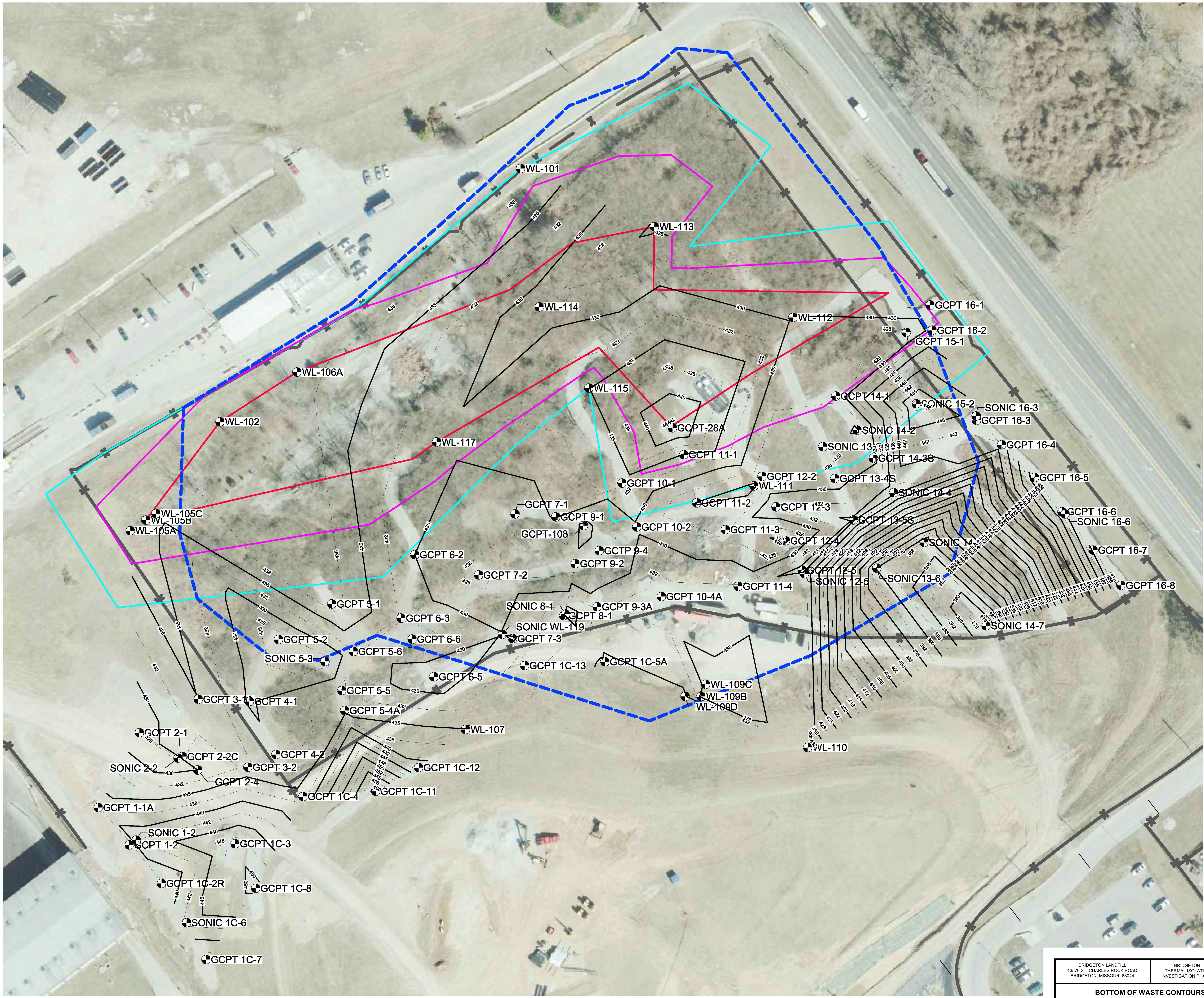


HISTOGRAM OF SBT FOR WASTE MATERIALS



HISTOGRAM OF SBT FOR ALLUVIUM

FIGURE 20 - DISTRIBUTION OF SBT – WASTE AND ALLUVIUM MATERIALS



LEGEND

- BORING LOCATIONS USED FOR TOP OF ALLUVIUM ANALYSES
- HISTORIC BOUNDARY OF ELEVATED DOWNHOLE READINGS
- HISTORIC BOUNDARY OF NON-ELEVATED DOWNHOLE READINGS
- HISTORIC BOUNDARY OF INTERPOLATED RIM LIMITS
- FENCE
- OLI-1 BOUNDARY
- 435 BOTTOM OF WASTE (10' CONTOUR)
- 430 BOTTOM OF WASTE (2' CONTOUR)

NOTES:

- THE BOTTOM OF WASTE ELEVATIONS WERE DETERMINED FROM CONE PENETRATION TEST DATA AND SHOULD BE CONSIDERED APPROXIMATE. ACTUAL ELEVATIONS MAY VARY.
- ALL LOCATIONS AND ELEVATIONS ARE APPROXIMATE
- ALL ELEVATIONS ARE ABOVE MEAN SEA LEVEL (AMSL)

APPENDIX A

**NOVEMBER 26, 1996 SOIL BORING / SURFACE SAMPLE INVESTIGATION REPORT
FROM MCLAREN/HART**

Prepared for:

The West Lake Respondent Group

Prepared by:

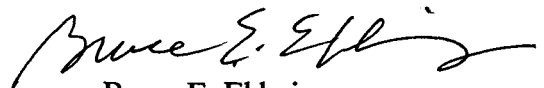
McLaren/Hart Environmental Engineering Corporation
1000 Town Center, Suite 600
Southfield, Michigan 48075

Prepared by:



David J. Heinze
Senior Associate Engineer

Reviewed by:



Bruce E. Ehleringer
Managing Principal Geoscientist

November 26, 1996

Project No. 07.0803035

REC'D SEP 19 1997

**SOIL BORING/SURFACE SAMPLE
INVESTIGATION REPORT
WEST LAKE LANDFILL
RADIOLOGICAL AREAS 1 AND 2
BRIDGETON, MISSOURI**

TABLE 2-4
SUMMARY OF SOIL BORING LOCATIONS, ELEVATIONS, AND TERMINATION DEPTHS - AREA 1
WEST LAKE LANDFILL, BRIDGETON, MISSOURI

BORING DESIGNATION	PLANNED NORTHING	PLANNED EASTING	PLANNED ELEV.	DATE DRILLED	NORTHING	EASTING	ELEVATION (Ft. MSL)	TERMINATION DEPTH (Ft. bgs.)	DEPTH OF ELEVATED GAMMA READINGS (Ft. bgs.)		BASIS FOR TERMINATING BORING (eg. perched water, native alluvium, etc.)
									TOP	BOTTOM	
WL-101	1,069,529.56	516,273.13	457.72	8/4/95	1,069,549.55	516,317.21	456.5	25	NOT ENCOUNTERED		Alluvium
WL-102	1,069,270.53	515,975.83	461.91	8/4/95	1,069,260.46	515,974.05	462.8	34	2.0	4.0	Refusal; rock
WL-103	1,069,408.90	516,736.90	450.69	8/7/95	1,069,407.36	516,737.06	450.9	25	NOT ENCOUNTERED		Alluvium
WL-104	1,069,542.14	516,599.93	451.34	8/7/95	1,069,575.47	516,602.77	449.8	35	NOT ENCOUNTERED		Alluvium
WL-105 (D-3)	1,069,148.99	515,889.32	466.54	8/8/95-8/9/95	1,069,136.26	515,871.62	467.2	109	0.5	11.0	Monitoring Well
WL-105 (I-4)	1,069,148.99	515,889.32	466.54	8/10/95	1,069,148.42	515,889.50	466.0	79	4.5	9.0	Monitoring Well
WL-105 (S-5)	1,069,148.99	515,889.32	466.54	8/15/95	1,069,155.84	515,901.03	465.7	49	1.5	5.5	Monitoring Well
WL-106A	1,069,307.95	516,069.94	464.56	8/11/95	1,069,301.64	516,082.18	465.4	20	2.5	5.0	Landfill. Relocate to investigate elevated gamma readings.
WL-106B	1,069,307.95	516,069.94	464.56	8/11/95	1,069,317.25	516,061.92	462.8	35	0.0	1.0	Alluvium
WL-107	1,068,908.00	516,264.96	486.91	9/5/95	1,068,909.52	516,254.31	486.1	52	NOT ENCOUNTERED		Alluvium
WL-108	1,069,152.01	516,395.95	472.76	9/5/95	1,069,144.21	516,379.68	472.5	22	NOT ENCOUNTERED		Perched water encountered at 16'
WL-109A	1,068,947.01	516,522.00	485.82	9/6/95	1,068,932.92	516,509.67	485.5	50	NOT ENCOUNTERED		Alluvium
WL-109B (D-14)	1,068,947.01	516,522.00	485.82	9/7/95-9/11/95	1,068,947.16	516,523.17	484.5	52	NOT ENCOUNTERED		Alluvium
WL-109C	1,068,947.01	516,522.00	485.82	9/12/95	1,068,961.12	516,528.43	483.9	57	NOT ENCOUNTERED		Refusal; rock
WL-109D	1,068,947.01	516,522.00	485.82	9/12/95-9/13/95	1,068,947.38	516,504.97	485.6	60	NOT ENCOUNTERED		Alluvium
WL-110	1,068,889.01	516,645.03	484.41	9/6/95	1,068,889.01 ¹	516,645.03 ¹	484.41 ¹	56	NOT ENCOUNTERED		Alluvium; elevated temperature
WL-111	1,069,176.92	516,589.23	475.06	9/11/95	1,069,187.35	516,583.61	474.5	52	NOT ENCOUNTERED		Alluvium
WL-112	1,069,407.80	516,599.06	466.56	9/11/95	1,069,379.45	516,628.22	467.6	42	NOT ENCOUNTERED		Alluvium
WL-113	1,069,499.99	516,468.98	465.79	9/25/95	1,069,483.19	516,469.95	467.0	45	3.5	4.0	Alluvium
WL-114	1,069,409.53	516,335.24	467.40	9/25/95	1,069,391.53	516,338.57	468.3	45	4.0	5.0	Alluvium
WL-115	1,069,292.95	516,401.47	469.01	9/26/95	1,069,298.98	516,395.13	468.9	41	NOT ENCOUNTERED		Alluvium
WL-116	1,069,078.99	516,165.99	474.46	9/26/95	1,069,083.49	516,160.60	474.3	20	NOT ENCOUNTERED		Perched water encountered at 8'
WL-117	1,069,224.01	516,221.97	467.98	9/27/95	1,069,237.40	516,221.33	467.6	41	6.0	7.0	Alluvium
WL-118	1,069,409.53	516,335.24	467.40	9/28/95	1,069,411.09	516,304.95	465.8	15	NOT ENCOUNTERED		Landfill; terminated - high gamma not encountered
WL-119	1,069,031.14	516,289.26	477.40	9/29/95	1,069,031.14	516,289.26	477.4	50	NOT ENCOUNTERED		Alluvium
WL-120	1,069,060.99	516,771.00	472.51	9/29/95	1,069,053.64	516,846.57	474.7	52	NOT ENCOUNTERED		Landfill; terminated - elevated temperature

¹ Planned location, not surveyed
() - Monitoring well designation
Ft. MSL - feet above mean sea level
Ft. bgs. - feet below ground surface


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**SOIL BORING LOGS
GAMMA LOGS
WELL CONSTRUCTION DETAILS
AQUIFER TESTING RESULTS**

from McLaren/Hart Soil and GW reports (11/96)

WEST LAKE LANDFILL

Area 1 Boring Logs

Soil Boring Log		 McLaren Hart	
Boring No. WL-101		Project No./Name 07.0803035.003.002	Page: 1 of 1
Start/Finish Date 8/4/95		Site Name and Location West Lake Landfill; Bridgeton, Missouri	
Drilling Contractor Hart Environmental Drilling		Boring Location: Area 1 Ground Surface Elevation: 456.5	
Driller Max Tinnin		Northing: 1069549.55 Easting: 516317.21	
Drilling Equipment CME-55 Drill Rig, Hollow Stem Augers		McLaren/Hart Geologist/Office Tim Biggs / St. Louis	
Bit Size/Type 4 1/4" ID; 8 1/4" Hole	Sample Method 5' Continuous Sampler	T.D. Borehole 25'	Well Installed? None Installed
Remarks:			
Depth (ft)	Sample ID #	Gelger Reading (mR/hr)	Description
5	WL-101 5'	Background (0.02-0.04)	0.0-17.0' <u>Landfill Debris</u> : soil consisting of clayey silt to sandy silt, and crushed rock; no trashy debris encountered; dry to moist. @ 5' soil discolored with petroleum odor; OVM readings greater than 10 X background.
10	WL-101 10'	Background (0.02-0.04)	
15	WL-101 15'	Background (0.02-0.04)	
20	WL-101 20'	Background (0.02-0.04)	17.0-25.0' <u>Native Alluvium</u> : grayish brown, slightly silty, plastic clay grading to dark gray, very fine-grained sand; moist to wet. @ 23.0' wet Boring terminated @ 25'
25	WL-101 25'	Background (0.02-0.04)	


Notes:

Radiological samples collected at 5 and 20 feet below ground surface.

Non-radiological samples collected at 5 and 25 feet below ground surface; contingency sampling.

Perched water not encountered during boring activities.

Groundwater encountered at 23 feet below ground surface.

Soil Boring Log		 McLaren Hart	
Boring No. WL-102		Project No./Name 07.0803035.003.002	Page: 1 of 1
Start/Finish Date 8/4/95		Site Name and Location West Lake Landfill; Bridgeton, Missouri	
Drilling Contractor Hart Environmental Drilling		Boring Location: Area 1 Ground Surface Elevation: 462.8	
Driller Max Timin		Northing: 1069260.46 Easting: 515974.05	
Drilling Equipment CME-55 Drill Rig, Hollow Stem Augers		McLaren/Hart Geologist/Office Tim Biggs / St. Louis	
Bit Size/Type 4 1/4" ID; 8 1/4" Hole	Sample Method 5' Continuous Sampler	T.D. Borehole 34'	Well Installed? None installed
Remarks:			
Depth (ft)	Sample ID #	Gelger Reading (mR/hr)	Description
5	WL-102 5'	Background (0.02-0.04)	0.0-23.0' <u>Landfill Debris</u> : trashy debris consisting of wood, plastic, glass, and wire; soil consisting of olive gray silt and dark gray, silty, plastic clay to grayish brown, silty sand and crushed rock; dry to moist.
10	None Taken	Background (0.02-0.04)	
15	None Taken	Background (0.02-0.04)	
20	None Taken	Background (0.02-0.04)	
25	WL-102 25'	Background (0.02-0.04)	23.0-34.0' <u>Native Alluvium</u> : grayish brown, slightly silty, plastic clay grading to dark gray, fine-grained sand; moist.
30	WL-102 30'	Background (0.02-0.04)	
35	WL-102 35'	Background (0.02-0.04)	
Auger refusal @ 34'			


Notes:


Radiological samples collected at 5 and 15 feet below ground surface; downhole logging indicated elevated gamma readings from 2.0 - 4.0'.

Non-radiological samples not collected during boring activities.

Perched water not encountered during boring activities.

Groundwater not encountered during boring activities.

Soil Boring Log		 McLaren Hart	
Boring No. WL-105A		Project No./Name 07.0803035.003.002	Page: 1 of 2
Start/Finish Date 8/8/95 / 8/9/95		Site Name and Location West Lake Landfill; Bridgeton, Missouri	
Drilling Contractor Hart Environmental Drilling		Boring Location: Area 1	
		Ground Surface Elevation: 467.2	
Driller Max Tinnin		Northing: 1069136.26	
		Easting: 515871.62	
Drilling Equipment CME-55 Drill Rig, Hollow Stem Augers		McLaren/Hart Geologist/Office Tim Biggs / St. Louis	
Bit Size/Type 4 1/4" ID; 8 1/4" Hole		Sample Method 5' Continuous Sampler	T.D. Borehole 109'
			Well Installed? D-3
Remarks:			
Depth (ft)	Sample ID #	Gelger Reading (mR/hr)	Description
5	None Taken	None Taken	0.0-30.0' <u>Landfill Debris</u> : trashy debris consisting of cloth, wood, rope, and plastic; soil consisting of brown and gray silt, and crushed rock; dry to moist.
10	WL-105A 10'	None Taken	
15	None Taken	None Taken	
20	None Taken	None Taken	
25	None Taken	None Taken	
30	WL-105A 30'	None Taken	
35	None Taken	None Taken	30.0-60.0' <u>Native Alluvium</u> : dark gray clayey silt grading to fine to coarse-grained sand and gravel; wet. @ 30' wet
40	None Taken	None Taken	
45	WL-105A 47'	Background (0.04-0.06)	
50	None Taken	None Taken	
55	None Taken	None Taken	
60	None Taken	None Taken	

Soil Boring Log		 McLaren Hart	
Boring No. WL-105A		Project No./Name 07.0803035.003.002	Page: 2 of 2
Start/Finish Date 8/8/93 / 8/9/93		Site Name and Location West Lake Landfill; Bridgeton, Missouri	
Drilling Contractor Hart Environmental Drilling		Boring Location: Area 1 Ground Surface Elevation: 467.2	
Driller Max Timmin		Northing: 1069136.26 Easting: 515871.62	
Drilling Equipment CME-55 Drill Rig, Hollow Stem Augers		McLaren/Hart Geologist/Office Tim Biggs / St. Louis	
Bit Size/Type 4 1/4" ID; 8 1/4" Hole	Sample Method 5' Continuous Sampler	T.D. Borehole 109'	Well Installed? D-3
Remarks:			
Depth (ft)	Sample ID #	Gelger Reading (mR/hr)	Description
70	None Taken	None Taken	60.0-109.0' Native Alluvium: dark gray clayey silt grading to fine to coarse-grained sand and gravel; wet.
75	None Taken	None Taken	
80	None Taken	None Taken	
85	None Taken	None Taken	
90	None Taken	None Taken	
95	None Taken	None Taken	
100	None Taken	None Taken	
105	None Taken	None Taken	
110	None Taken	Background	Auger refusal @ 109.0' (bedrock)

Notes:

Radiological samples collected at 10 and 30 feet below ground surface; downhole logging indicated elevated gamma readings from 0.5-11.0'.

Non-radiological samples not collected during boring activities.

Perched water not encountered during boring activities.

Groundwater encountered at 30 feet below ground surface.

Soil Boring Log



**McLaren
Hart**

Boring No. WL-105B	Project No./Name 07.0803035.003.002	Page: 1 of 2
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Start/Finish Date 8/10/95	Site Name and Location West Lake Landfill; Bridgeton, Missouri
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Drilling Contractor Hart Environmental Drilling	Boring Location: Farmers Field
	Ground Surface Elevation: 466


Driller Max Tinnin	Northing: 1069148.42
	Easting: 515889.50

Drilling Equipment CME-55 Drill Rig, Hollow Stem Augers	McLaren/Hart Geologist/Office Tim Biggs / St. Louis
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Bit Size/Type 4 1/4" ID; 8 1/4" Hole	Sample Method 5' Continuous Sampler	T.D. Borehole 79'	Well Installed? I-4
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Remarks:

Depth (ft)	Sample ID #	Gelger Reading (inR/hr)	Description
5	None Taken	None Taken	0.0-30.0' <u>Landfill Debris</u> : trashy debris consisting of cloth, wood, rope, and plastic; soil consisting of brown and gray silt, and crushed rock; dry to moist.
10	None Taken	None Taken	
15	None Taken	None Taken	
20	None Taken	None Taken	
25	None Taken	Background	
30	WL-105B 30'	Background (0.04-0.06)	@30' wet
35	WL-105B 35'	Background (0.04-0.06)	30.0-55.0' <u>Native Alluvium</u> : dark gray clayey silt grading to fine to coarse-grained sand and gravel; wet.
40	WL-105B 40'	Background (0.04-0.06)	
45	None Taken	None Taken	
50	None Taken	None Taken	
55	None Taken	None Taken	

Soil Boring Log		 McLaren Hart	
Boring No. WL-105C		Project No./Name 07.0803035.003.002	Page: 1 of 1
Start/Finish Date 8/15/95		Site Name and Location West Lake Landfill; Bridgeton, Missouri	
Drilling Contractor Hart Environmental Drilling		Boring Location: Area 1	
		Ground Surface Elevation: 465.7	
Driller Max Tinnin		Northing: 1069155.84	
		Easting: 515901.03	
Drilling Equipment CME-55 Drill Rig, Hollow Stem Augers		McLaren/Hart Geologist/Office Tim Biggs / St. Louis	
Bit Size/Type 4 1/4" ID; 8 1/4" Hole	Sample Method 5' Continuous Sampler	T.D. Borehole 43'	Well Installed? S-5
Remarks:			
Depth (ft)	Sample ID #	Gelger Reading (mR/hr)	Description
5	None Taken	0.7	0.0-30.0' <u>Landfill Debris</u> : trashy debris consisting of cloth, wood, rope, and plastic; soil consisting of brown and gray silt, and crushed rock; dry to moist.
10	None Taken	0.2	
15	None Taken	Background (0.02-0.04)	
20	None Taken	Background (0.02-0.04)	
25	None Taken	Background (0.02-0.04)	
30	None Taken	Background (0.02-0.04)	@ 30' wet
35	None Taken	Background (0.02-0.04)	30.0-43.0' <u>Native Alluvium</u> : dark gray clayey silt grading to fine to coarse-grained sand and gravel; wet.
40	None Taken	Background (0.02-0.04)	
45	None Taken	Background (0.02-0.04)	
Boring terminated @ 43.0'			


Notes:

Radiological samples not collected during boring activities; downhole logging indicated elevated gamma readings from 1.5-5.5'

Non-radiological samples not collected during boring activities.


Perched water not encountered during boring activities.

Groundwater encountered at 30 feet below ground surface.

Soil Boring Log		 McLaren Hart	
Boring No. WL-106		Project No./Name 07.0803035.003.002	Page: 1 of 1
Start/Finish Date 8/11/95		Site Name and Location West Lake Landfill; Bridgeton, Missouri	
Drilling Contractor Hart Environmental Drilling		Boring Location: Area 1	
Driller Max Tinnin		Ground Surface Elevation: 465.4	
		Northing: 1069301.64	
		Easting: 516082.18	
Drilling Equipment CME-35 Drill Rig, Hollow Stem Augers		McLaren/Hart Geologist/Office Tim Biggs / St. Louis	
Bit Size/Type 4 1/4" ID; 8 1/4" Hole	Sample Method 5' Continuous Sampler	T.D. Borehole 20'	Well Installed? None Installed
Remarks:			
Depth (ft)	Sample ID #	Gelger Reading (mR/hr)	Description
5	None Taken	Background (0.02-0.04)	0.0-20.0' <u>Landfill Debris</u> : trashy debris consisting of wood, plastic, glass, and wire; soil consisting of dark gray silt to clayey silt, and crushed rock; dry to moist. Boring terminated @ 20.0'
10	None Taken	Background (0.02-0.04)	
15	None Taken	Background (0.02-0.04)	
20	None Taken	Background (0.02-0.04)	

Notes:

- Radiological samples not collected during boring activities; downhole logging indicated elevated gamma readings from 2.5-5.0'.
- Non-radiological samples not collected during boring activities.
- Perched water not encountered during boring activities.
- Groundwater not encountered during boring activities.

Soil Boring Log		 McLaren Hart	
Boring No. WL-106A		Project No./Name 07.0803035.003.002	Page: 1 of 1
Start/Finish Date 8/11/95		Site Name and Location West Lake Landfill; Bridgeton, Missouri	
Drilling Contractor Hart Environmental Drilling		Boring Location: Area 1 Ground Surface Elevation: 462.8	
Driller Max Timmin		Northing: 1069317.25 Easting: 516061.92	
Drilling Equipment CME-55 Drill Rig, Hollow Stem Augers		McLaren/Hart Geologist/Office Tim Biggs / St. Louis	
Bit Size/Type 4 1/4" ID; 8 1/4" Hole	Sample Method 5' Continuous Sampler	T.D. Borehole 35'	Well Installed? None Installed
Remarks:			
Depth (ft)	Sample ID #	Gelger Reading (mR/hr)	Description
5	None Taken	0.5-1.0	0.0-24.0' <u>Landfill Debris</u> : trashy debris consisting of wood, plastic, glass, and wire; soil consisting of dark gray silt to clayey silt, and crushed rock; dry to moist.
10	None Taken	0.5-1.0	
15	None Taken	0.5-1.0	
20	None Taken	0.05-0.10	
25	WI-106A 25'	Background (0.06-0.10)	24.0-35.0' <u>Native Alluvium</u> : dark gray, silty, plastic clay grading to dark gray, very fine-grained sand; moist to wet.
30	WI-106A 30'	Background (0.06-0.10)	@ 30' wet
35	WI-106A 35'	Background (0.06-0.10)	Boring terminated @ 35.0'


Notes:

Radiological samples collected at 5 and 25 feet below ground surface; downhole logging indicated elevated gamma readings from 0.0-1.0'

Non-radiological samples collected at 30 feet below ground surface; priority pollutant and priority pollutant duplicate collected and analyzed.

Perched water not encountered during boring activities.

Groundwater encountered at 30 feet below ground surface.

Soil Boring Log		 McLaren Hart	
Boring No. WL-107		Project No./Name 07.0803035.003.002	Page: 1 of 1
Start/Finish Date 9/5/95		Site Name and Location West Lake Landfill; Bridgeton, Missouri	
Drilling Contractor		Boring Location: Area 1	
Drilling Service Company		Ground Surface Elevation: 486.1	
Driller Bruce Murphy		Northing: 1068909.52	
		Easting: 516254.31	
Drilling Equipment LDH-80T Drill Rig, Large Diameter Auger		McLaren/Hart Geologist/Office Tim Biggs / St. Louis	
Bit Size/Type 24" OD Solid Auger	Sample Method Grab from Auger	T.D. Borehole 52'	Well Installed? None Installed
Remarks:			
Depth (ft)	Sample ID #	Geiger Reading (mR/hr)	Description
5	WL-107 5'	Background (0.02-0.04)	0.0-51.0' Landfill Debris: trashy debris consisting of wood, plastic, paper, rubber, yard waste, cloth, brick, carpeting, glass and wire; soil consisting of olive brown silt to grayish brown and dark gray clayey silt, and rock; dry to wet.
10	WL-107 10'	Background (0.02-0.04)	
15	WL-107 15'	Background (0.02-0.04)	
20	WL-107 20'	Background (0.02-0.04)	
25	WL-107 25'	Background (0.02-0.04)	
30	WL-107 30'	Background (0.02-0.04)	
35	WL-107 35'	Background (0.02-0.04)	
40	WL-107 40'	Background (0.02-0.04)	
45	WL-107 45'	Background (0.02-0.04)	
50	WL-107 50'	Background (0.02-0.04)	
55	WL-107 52'	Background (0.02-0.04)	51.0-52.0' Native Alluvium: dark gray, silty, fine-grained sand; wet @ 51' wet Boring terminated @ 52.0'.


Notes:

Radiological samples collected at 5 and 51 feet below ground surface.

Non-radiological samples not collected during boring activities.


Perched water not encountered during boring activities.


Groundwater encountered at 51 feet below ground surface.

Soil Boring Log		 McLaren Hart	
Boring No. WL-108		Project No./Name 07.0803035.003.002	Page: 1 of 1
Start/Finish Date 9/5/95		Site Name and Location West Lake Landfill, Bridgeton, Missouri	
Drilling Contractor Drilling Service Company		Boring Location: Area 1 Ground Surface Elevation: 472.5	
Driller Bruce Murphy		Northing: 1069144.21 Easting: 516379.68	
Drilling Equipment LDH-30T Drill Rig, Large Diameter Auger		McLaren/Hart Geologist/Office Tim Biggs / St. Louis	
Bit Size/Type 24" OD Solid Auger	Sample Method Grab from Auger	T.D. Borehole 22'	Well Installed? None Installed
Remarks:			
Depth (ft)	Sample ID #	Gelger Reading (mR/hr)	Description
5	WL-108 5'	Background (0.02-0.04)	0.0-22.0' <u>Landfill Debris</u> : trashy debris consisting of wood, plastic, paper, rubber, metal, and cardboard; soil consisting of olive brown to dark gray silt, and rock; dry to wet. @ 12' wet Boring abandoned @ 22.0'
10	None Taken	None Taken	
15	None Taken	None Taken	
20	None Taken	None Taken	
25	None Taken	None Taken	

Notes:


Radiological sample collected at 5 feet below ground surface.
 Non-radiological grab sample collected from perched water.
 Perched water encountered at 12 feet below ground surface.
 Groundwater not encountered during boring activities


Soil Boring Log		 McLaren Hart	
Boring No. WL-109B		Project No./Name 07.0803035.003.002	Page: 1 of 2
Start/Finish Date 9/7/95 / 10/24/95		Site Name and Location West Lake Landfill; Bridgeton, Missouri	
Drilling Contractor Hart Environmental Drilling		Boring Location: Area 1	
Drilling Service Company		Ground Surface Elevation: 484.5	
Driller Max Tinnin		Northing: 1068947.16	
Bruce Murphy		Easting: 516523.17	
		McLaren/Hart Geologist/Office Tim Biggs / St. Louis	
Drilling Equipment CME-55 Drill Rig, Hollow Stem Augers LDH-80T Drill Rig, Large Diameter Auger			
Bit Size/Type 4 1/4" ID 8 1/4" Hole 24" OD Solid Auger		Sample Method Continuous Sampler Grab from Auger	T.D. Borehole 59'
Well Installed? D-14			
Remarks:			
Depth (ft)	Sample ID #	Gelger Reading (mR/hr)	Description
5	None Taken	None Taken	0.0-49.0' Landfill Debris: trashy debris consisting of wood, plastic, brick, paper, wire, rubber, metal, yard waste, and carpeting; soil consisting of olive brown to dark gray silt, gray to black silty clay, and crushed rock; dry to moist; warm.
10	None Taken	None Taken	
15	None Taken	None Taken	
20	None Taken	None Taken	
25	None Taken	None Taken	
30	None Taken	None Taken	
35	None Taken	None Taken	
40	None Taken	None Taken	
45	None Taken	None Taken	@ 45.0' sample had temperature of 116° F


Soil Boring Log		 McLaren Hart	
Boring No. WL-109B		Project No./Name 07.0803035.003.002	Page: 2 of 2
Start/Finish Date 10/24/95		Site Name and Location West Lake Landfill; Bridgeton, Missouri	
Drilling Contractor Hart Environmental Drilling		Boring Location: Area 1	
Drilling Service Company		Ground Surface Elevation: 484.5	
Driller Max Tinnin		Northing: 1068947.16	
Bruce Murphy		Easting: 516523.17	
		McLaren/Hart Geologist/Office Tim Biggs / St. Louis	
Drilling Equipment CME-55 Drill Rig, Hollow Stem Augers LDH-80T Drill Rig, Large Diameter Auger			
Bit Size/Type 4 1/4" ID 8 1/4" Hole		Sample Method Continuous Sampler	T.D. Borehole 59'
24" OD Solid Auger		Grab from Auger	Well Installed? D-14
Remarks:			
Depth (ft)	Sample ID #	Geiger Reading (mR/hr)	Description
50	None Taken	None Taken	49.0-59.0' <u>Native Alluvium</u> : dark gray, clayey and silty, very fine-grained sand; moist; warm.
55	None Taken	None Taken	
60	WL-109B 59'	None Taken	
			Auger refusal @ 59.0' (bedrock)

Notes:

Radiological samples not collected during boring activities.
 Non-radiological samples not collected during boring activities.
 Perched water not encountered during boring activities.
 Groundwater not encountered during boring activities.

Soil Boring Log		 McLaren Hart	
Boring No. WL-109C		Project No./Name 07.0803035.003.002	Page: 1 of 2
Start/Finish Date 9/12/95		Site Name and Location West Lake Landfill; Bridgeton, Missouri	
Drilling Contractor		Boring Location: Area 1	
Drilling Service Company		Ground Surface Elevation: 483.9	
Driller		Northing: 1068961.12	
Bruce Murphy		Easting: 516528.43	
Drilling Equipment LDH-30T Drilling Rig, Large Diameter Auger		McLaren/Hart Geologist/Office Tim Biggs / St. Louis	
Bit Size/Type 24" OD, Solid Auger	Sample Method Grab	T.D. Borehole 57'	Well Installed? None Installed
Remarks:			
Depth (ft)	Sample ID #	Geiger Reading (mR/hr)	Description
5	None Taken	Background (0.02-0.04)	0.0-48.0' Landfill Debris: trashy debris consisting of wood, plastic, brick, paper, wire, metal, yard waste, and carpeting; soil consisting of olive brown to dark gray silt, gray to black silty clay, and crushed rock; dry to moist; warm.
10	None Taken	Background (0.02-0.04)	
15	None Taken	Background (0.02-0.04)	
20	None Taken	Background (0.02-0.04)	
25	None Taken	Background (0.02-0.04)	
30	None Taken	Background (0.02-0.04)	
35	None Taken	Background (0.02-0.04)	
40	None Taken	Background (0.02-0.04)	
45	None Taken	Background (0.02-0.04)	

Soil Boring Log		 McLaren Hart	
Boring No. WL-109D		Project No./Name 07.0803035.003.002	Page: 1 of 2
Start/Finish Date 10/23/95		Site Name and Location West Lake Landfill; Bridgeton, Missouri	
Drilling Contractor Hart Environmental Drilling		Boring Location: Area 1	
Drilling Service Company		Ground Surface Elevation: 485.6	
Driller Max Tinnin		Northing: 1068947.38	
Bruce Murphy		Easting: 516504.97	
		McLaren/Hart Geologist/Office Tim Biggs / St. Louis	
Drilling Equipment CME-55 Drill Rig, Hollow Stem Augers LDH-80T Drill Rig, Large Diameter Auger			
Bit Size/Type 4 1/4" ID 8 1/4" Hole 24" OD Solid Auger	Sample Method Continuous Sampler Grab from Auger	T.D. Borehole 59'	Well Installed? D-14
Remarks:			
Depth (ft)	Sample ID #	Gelger Reading (mR/hr)	Description
5	WL-109D 5'	Background (0.02-0.04)	0.0-56.0' <u>Landfill Debris</u> : trashy debris consisting of wood, plastic, brick, shingles, paper, wire, metal, yard waste, and carpeting; soil consisting of olive brown to dark gray silt, gray to black silty clay, green and red weathered shale, and crushed rock; dry to moist; warm.
10	WL-109D 10'	Background (0.02-0.04)	
15	WL-109D 15'	Background (0.02-0.04)	
20	WL-109D 20'	Background (0.02-0.04)	
25	WL-109D 25'	Background (0.02-0.04)	
30	WL-109D 30'	Background (0.02-0.04)	
35	WL-109D 35'	None Taken	
40	WL-109D 40'	Background (0.02-0.04)	
45	WL-109D 45'	Background (0.02-0.04)	
50	WL-109D 50'	Background (0.02-0.04)	
55	WL-109D 55'	Background (0.02-0.04)	

Soil Boring Log		 McLaren Hart	
Boring No. WL-109D		Project No./Name 07.0803035.003.002	Page: 2 of 2
Start/Finish Date 10/23/95		Site Name and Location West Lake Landfill; Bridgeton, Missouri	
Drilling Contractor Hart Environmental Drilling		Boring Location: Area 1	
Drilling Service Company		Ground Surface Elevation: 485.6	
Driller Max Tinnin		Northing: 1068947.38	
Bruce Murphy		Easting: 516504.97	
		McLaren/Hart Geologist/Office Tim Biggs / St. Louis	
Drilling Equipment CME-55 Drill Rig, Hollow Stem Augers LDH-80T Drill Rig, Large Diameter Auger			
Bit Size/Type 4 1/4" ID 8 1/4" Hole 24" OD Solid Auger		Sample Method Continuous Sampler Grab from Auger	T.D. Borehole 59'
Well Installed? D-14			
Remarks:			
Depth (ft)	Sample ID #	Gelger Reading (mR/hr)	Description
60	None Taken	Background (0.02-0.04)	56.0-62.0' <u>Native Alluvium</u> : dark gray clayey silt grading to fine-grained sand; moist.
65	None Taken	Background (0.02-0.04)	Auger refusal @ 62.0' (bedrock)

Notes:

Radiological samples not collected during boring activities.
 Non-radiological samples not collected during boring activities.
 Perched water not encountered during boring activities.
 Groundwater not encountered during boring activities.

Soil Boring Log




**McLaren
Hart**

Boring No. WL-110		Project No./Name 07.0803035.003.002		Page: 1 of 2
Start/Finish Date 9/6/95		Site Name and Location West Lake Landfill; Bridgeton, Missouri		
Drilling Contractor Drilling Service Company		Boring Location: Area 1 Ground Surface Elevation: 484.41 (Planned Boring)		
Driller Bruce Murphy		Northing: 1068889.01 location, not Easting: 516645.03 surveyed)		
Drilling Equipment LDH-30T Drilling Rig, Large Diameter Auger		McLaren/Hart Geologist/Office Tim Biggs / St. Louis		
Bit Size/Type 24" OD, Solid Auger	Sample Method Grab from Augers	T.D. Borehole 56'	Well Installed? None Installed	


Remarks:

Depth (ft)	Sample ID #	Gelger Reading (mR/hr)	Description
5	WL-110 5'	Background (0.02-0.04)	0.0-50.0' <u>Landfill Debris</u> : trashy debris consisting of wood, plastic, wire, insulation, paper, and metal; soil consisting of olive brown silt, dark gray to grayish brown silty clay, and crushed rock; dry to moist; warm to very warm.
10	WL-110 10'	Background (0.02-0.04)	
15	WL-110 15'	Background (0.02-0.04)	
20	WL-110 20'	Background (0.02-0.04)	
25	WL-110 25'	Background (0.02-0.04)	
30	WL-110 30'	Background (0.02-0.04)	
35	WL-110 35'	Background (0.02-0.04)	
40	WL-110 40'	Background (0.02-0.04)	
45	WL-110 45'	Background (0.02-0.04)	
50	WL-110 50'	Background (0.02-0.04)	

Soil Boring Log		 McLaren Hart	
Boring No. WL-110		Project No./Name 07.0803035.003.002	Page: 2 of 2
Start/Finish Date 9/6/95		Site Name and Location West Lake Landfill; Bridgeton, Missouri	
Drilling Contractor Drilling Service Company		Boring Location: Area 1 Ground Surface Elevation: 484.41 (Planned Boring)	
Driller Bruce Murphy		Northing: 1068889.01 location, not Easting: 516645.03 surveyed)	
Drilling Equipment LDH-80T Drilling Rig, Large Diameter Auger		McLaren/Hart Geologist/Office Tim Biggs / St. Louis	
Bit Size/Type 24" OD, Solid Auger	Sample Method Grab from Augers	T.D. Borehole 56'	Well Installed? None Installed
Remarks:			
Depth (ft)	Sample ID #	Gelber Reading (mR/hr)	Description
55	WL-110 55'	Background (0.02-0.04)	50.0-56.0' <u>Native Alluvium</u> : dark gray, clayey silt; moist; very warm. @ 56.0' sample had a temperature of 140° F
60	WL-110 56'	Background (0.02-0.04)	Boring terminated at 56.0'

Notes:

Radiological samples collected from 5 and 50 feet below ground surface.
 Non-radiological samples not collected during boring activities.
 Perched water not encountered during boring activities.
 Groundwater not encountered during boring activities.

Soil Boring Log		 McLaren Hart	
Boring No. WL-111		Project No./Name 07.0803035.003.002	Page: 1 of 1
Start/Finish Date 9/11/95		Site Name and Location West Lake Landfill; Bridgeton, Missouri	
Drilling Contractor		Boring Location: Area 1	
Drilling Service Company		Ground Surface Elevation: 474.5	
Driller Bruce Murphy		Northing: 1069187.35	
		Easting: 516583.61	
Drilling Equipment LDH-80T Drill Rig, Large Diameter Auger		McLaren/Hart Geologist/Office Tim Biggs / St. Louis	
Bit Size/Type 24" OD Solid Auger	Sample Method Grab from Augers	T.D. Borehole 52'	Well Installed? None Installed
Remarks:			
Depth (ft)	Sample ID #	Gelger Reading (mR/hr)	Description
5	WL-111 5'	Background (0.02-0.04)	0.0-50.0' <u>Landfill Debris</u> : trashy debris consisting of wood, plastic, cloth, brick, rubber, paper, wire, glass, and metal; soil consisting of olive brown to gray silt, dark gray to grayish brown silty clay, and crushed rock; dry to wet.
10	WL-111 10'	Background (0.02-0.04)	
15	WL-111 15'	Background (0.02-0.04)	
20	WL-111 20'	Background (0.02-0.04)	
25	WL-111 25'	Background (0.02-0.04)	
30	WL-111 30'	Background (0.02-0.04)	
35	WL-111 35'	Background (0.02-0.04)	
40	WL-111 40'	Background (0.02-0.04)	
45	WL-111 45'	Background (0.02-0.04)	@ 45' wet
50	WL-111 50'	Background (0.02-0.04)	
55	WL-111 51'	Background (0.02-0.04)	50.0-52.0' <u>Native Alluvium</u> : dark gray, silty, very fine-grained sand; wet. Boring terminated @ 52.0'.


Notes:

Radiological samples collected at 5 and 51 feet below ground surface.

Non-radiological samples not collected during boring activities.


Perched water not encountered during boring activities.

Groundwater encountered at 45 feet below ground surface.

Soil Boring Log		 McLaren Hart	
Boring No. WL-112		Project No./Name 07.0803035.003.002	Page: 1 of 1
Start/Finish Date 9/11/95		Site Name and Location West Lake Landfill; Bridgeton, Missouri	
Drilling Contractor Drilling Service Company		Boring Location: Area 1 Ground Surface Elevation: 467.6	
Driller Bruce Murphy		Northing: 1069379.45 Easting: 516628.22	
Drilling Equipment LDH-80T Drill Rig, Large Diameter Auger		McLaren/Hart Geologist/Office Tim Biggs / St. Louis	
Bit Size/Type 24" OD Solid Auger	Sample Method Grab from Augers	T.D. Borehole 42'	Well Installed? None Installed
Remarks:			
Depth (ft)	Sample ID #	Geiger Reading (mR/hr)	Description
5	WL-112 5'	Background (0.02-0.04)	0.0-38.0' <u>Landfill Debris</u> : trashy debris consisting of yard waste, wood, plastic, cloth, paper, wire, and metal; soil consisting of grayish brown to dark gray silt, dark gray to grayish brown clayey silt, and very fine-grained sand; dry to wet.
10	None Taken	None Taken	
15	WL-112 15'	Background (0.02-0.04)	
20	WL-112 20'	Background (0.02-0.04)	
25	WL-112 25'	Background (0.02-0.04)	
30	WL-112 30'	Background (0.02-0.04)	
35	WL-112 35'	Background (0.02-0.04)	@ 34' wet
40	None Taken	None Taken	38.0-42.0' <u>Native Alluvium</u> : dark gray silty clay grading to very fine-grained sand; moist to wet.
45	None Taken	None Taken	Boring terminated @ 42.0'

Notes:

Radiological samples collected at 5 and 42 feet below ground surface.
 Non-radiological samples not collected during boring activities.
 Perched water not encountered during boring activities.
 Groundwater encountered at 34 feet below ground surface.

Soil Boring Log		 McLaren Hart	
Boring No. WL-113		Project No./Name 07.0803035.003.002	Page: 1 of 1
Start/Finish Date 9/25/95		Site Name and Location West Lake Landfill; Bridgeton, Missouri	
Drilling Contractor		Boring Location: Area 1	
Drilling Service Company		Ground Surface Elevation: 467	
Driller Bruce Murphy		Northing: 1069483.19 Easting: 516469.95	
Drilling Equipment LDH-80T Drill Rig, Large Diameter Auger		McLaren/Hart Geologist/Office Tim Biggs / St. Louis	
Bit Size/Type 24" OD Solid Auger	Sample Method Grab from Auger	T.D. Borehole 45'	Well Installed? None Installed
Remarks:			
Depth (ft)	Sample ID #	Geiger Reading (mR/hr)	Description
5	WL-113 5'	Background (0.01-0.04)	0.0-42.5' <u>Landfill Debris</u> : trashy debris consisting of yard waste, wood, plastic, cloth, paper, wire, and metal; soil consisting of dark gray to grayish brown silty clay and very fine to medium-grained sand; dry to wet.
10	WL-113 10'	Background (0.01-0.04)	
15	WL-113 15'	Background (0.01-0.04)	
20	WL-113 20'	Background (0.01-0.04)	
25	None Taken	Background (0.01-0.04)	
30	None Taken	Background (0.01-0.04)	
35	WL-113 35'	Background (0.01-0.04)	
40	None Taken	Background (0.01-0.04)	@ 41' wet
45	None Taken	Background (0.01-0.04)	42.5-45.0' <u>Native Alluvium</u> : dark gray silty clay grading to very fine-grained sand; wet. Boring terminated @ 45.0'.


Notes:

Radiological samples collected at 5 and 10 feet below ground surface; duplicate collected and analyzed for 5' sample; downhole logging indicated elevated gamma readings from 3.5 -4.0'.

Non-radiological samples collected at 45 feet below ground surface; priority pollutant sample collected and analyzed.

Perched water not encountered during boring activities.

Groundwater encountered at 41 feet below ground surface.

Soil Boring Log		 McLaren Hart	
Boring No. WL-114		Project No./Name 07.0803035.003.002	Page: 1 of 1
Start/Finish Date 9/25/95		Site Name and Location West Lake Landfill; Bridgeton, Missouri	
Drilling Contractor Drilling Service Company		Boring Location: Area 1 Ground Surface Elevation: 468.3	
Driller Bruce Murphy		Northing: 1069391.53 Easting: 516338.57	
Drilling Equipment LDH-80T Drill Rig, Large Diameter Auger		McLaren/Hart Geologist/Office Tim Biggs / St. Louis	
Bit Size/Type 24" OD Solid Auger	Sample Method Grab from Augers	T.D. Borehole 45'	Well Installed? None Installed
Remarks:			
Depth (ft)	Sample ID #	Geiger Reading (mR/hr)	Description
5	WL-114 5'	Background (0.01-0.05)	0.0-40.0' <u>Landfill Debris</u> : trashy debris consisting of yard waste, wood, plastic, cloth, paper, insulation, wire, and metal; soil consisting of dark gray to grayish brown clayey silt and very fine to medium-grained sand; dry to moist.
10	None Taken	Background (0.01-0.05)	
15	WL-114 15'	Background (0.01-0.05)	
20	WL-114 20'	Background (0.01-0.05)	
25	WL-114 25'	Background (0.01-0.05)	
30	WL-114 30'	Background (0.01-0.05)	
35	WL-114 35'	Background (0.01-0.05)	
40	WL-114 40'	Background (0.01-0.05)	40.0-45.0' <u>Native Alluvium</u> : dark gray, silty, fine to medium-grained sand; wet. Boring terminated @ 45.0'.
45	None Taken	Background (0.01-0.05)	


Notes:

Radiological samples collected at 5 and 15 feet below ground surface; downhole logging indicated elevated gamma readings from 4.0-5.0'.

Non-radiological samples not collected during boring activities.

Perched water not encountered during boring activities.

Groundwater encountered at 41 feet below ground surface.

Soil Boring Log		 McLaren Hart	
Boring No. WL-115		Project No./Name 07.0803035.003.002	Page: 1 of 1
Start/Finish Date 9/26/95		Site Name and Location West Lake Landfill; Bridgeton, Missouri	
Drilling Contractor Drilling Service Company		Boring Location: Area 1 Ground Surface Elevation: 468.9	
Driller Bruce Murphy		Northing: 1069298.98 Easting: 516395.13	
Drilling Equipment LDH-80T Drill Rig, Large Diameter Auger		McLaren/Hart Geologist/Office Tim Biggs / St. Louis	
Bit Size/Type 24" OD Solid Auger	Sample Method Grab from Augers	T.D. Borehole 41'	Well Installed? None Installed
Remarks:			
Depth (ft)	Sample ID #	Gelger Reading (mR/hr)	Description
5	WL-115 5'	Background (0.01-0.04)	0.0-34.0' <u>Landfill Debris</u> : trashy debris consisting of yard waste, rubber, wood, plastic, cloth, paper, insulation, wire, and metal; soil consisting of dark gray to grayish brown clayey silt and silty sand; dry to moist.
10	WL-115 10'	Background (0.01-0.04)	
15	WL-115 15'	Background (0.01-0.04)	
20	None Taken	Background (0.01-0.04)	
25	WL-115 25'	Background (0.01-0.04)	
30	None Taken	Background (0.01-0.04)	
35	WL-115 35'	Background (0.01-0.04)	34.0-41.0' <u>Native Alluvium</u> : dark gray, silty, fine to medium-grained sand; moist to wet. @ 40' wet Boring terminated @ 41.0'
40	WL-115 40'	Background (0.01-0.04)	
45	None Taken	None Taken	


Notes:

Radiological samples collected at 5 and 40 feet below ground surface.

Non-radiological samples collected at 5 and 38 feet below ground surface; contingency sampling.

Perched water not encountered during boring activities.

Groundwater encountered at 40 feet below ground surface.

Soil Boring Log		 McLaren Hart	
Boring No. WL-116		Project No./Name 07.0803035.003.002	Page: 1 of 1
Start/Finish Date 9/26/95		Site Name and Location West Lake Landfill; Bridgeton, Missouri	
Drilling Contractor Drilling Service Company		Boring Location: Area 1	
Driller Bruce Murphy		Ground Surface Elevation: 474.3	
		Northing: 1069083.49	
		Easting: 516160.60	
Drilling Equipment LDH-80T Drill Rig, Large Diameter Auger		McLaren/Hart Geologist/Office Tim Biggs / St. Louis	
Bit Size/Type 24" OD Solid Auger	Sample Method Grab from Augers	T.D. Borehole 20'	Well Installed? None Installed
Remarks:			
Depth (ft)	Sample ID #	Gelger Reading (mR/hr)	Description
5	WL-116 5'	Background (0.01-0.04)	0.0-20.0' <u>Landfill Debris</u> : trashy debris consisting of yard waste, wood, plastic, cloth, paper, and metal; soil consisting of dark gray silty clay; dry to wet. @ 8' wet Boring abandoned @ 20.0'
10	WL-116 10'	Background (0.01-0.04)	
15	None Taken	Background (0.01-0.04)	
20	None Taken	None Taken	


Notes:

Radiological samples collected at 5 and 10 feet below ground surface; duplicate collected and analyzed for 5' sample.

Non-radiological samples not collected during boring activities.


Perched water encountered at 8 feet below ground surface.

Groundwater not encountered during boring activities.

Soil Boring Log		 McLaren Hart	
Boring No. WL-117		Project No./Name 07.0803035.003.002	Page: 1 of 1
Start/Finish Date 9/27/95		Site Name and Location West Lake Landfill; Bridgeton, Missouri	
Drilling Contractor Drilling Service Company		Boring Location: Area 1 Ground Surface Elevation: 467.6	
Driller Bruce Murphy		Northing: 1069237.40 Easting: 516221.33	
Drilling Equipment LDH-80T Drill Rig, Large Diameter Auger		McLaren/Hart Geologist/Office Tim Biggs / St. Louis	
Bit Size/Type 24" OD Solid Auger	Sample Method Grab from Augers	T.D. Borehole 41'	Well Installed? None Installed
Remarks:			
Depth (ft)	Sample ID #	Geiger Reading (mR/hr)	Description
5	WL-117 5'	Background (0.01-0.04)	0.0-37.0' <u>Landfill Debris</u> : trashy debris consisting of yard waste, wood, wire, insulation, plastic, cloth, paper, and metal; soil consisting of dark gray silty clay; dry to wet.
10	WL-117 10'	Background (0.01-0.04)	
15	WL-117 15'	Background (0.01-0.04)	
20	None Taken	Background (0.01-0.04)	
25	WL-117 25'	Background (0.01-0.04)	
30	WL-117 30'	Background (0.01-0.04)	
35	WL-117 35'	Background (0.01-0.04)	37.0-41.0' <u>Native Alluvium</u> : dark gray, silty, fine to medium-grained sand; moist to wet. @ 40' wet Boring terminated @ 41.0'
40	WL-117 40'	Background (0.01-0.04)	
45	None Taken	None Taken	

Notes:

Radiological samples collected at 10 and 25 feet below ground surface; downhole logging indicated elevated gamma readings from 6.0-7.0'.
 Non-radiological samples not collected during boring activities.
 Perched water not encountered during boring activities.
 Groundwater encountered at 40 feet below ground surface.

Soil Boring Log		 McLaren Hart	
Boring No. WL-118		Project No./Name 07.0803035.003.002	Page: 1 of 1
Start/Finish Date 9/28/95		Site Name and Location West Lake Landfill; Bridgeton, Missouri	
Drilling Contractor		Boring Location: Area 1	
Drilling Service Company		Ground Surface Elevation: 465.8	
Driller		Northing: 1069411.09	
Bruce Murphy		Easting: 516304.95	
Drilling Equipment LDH-80T Drill Rig, Large Diameter Auger		McLaren/Hart Geologist/Office Tim Biggs / St. Louis	
Bit Size/Type 24" OD Solid Auger	Sample Method Grab from Augers	T.D. Borehole 15'	Well Installed? None Installed
Remarks:			
Depth (ft)	Sample ID #	Gelger Reading (mR/hr)	Description
5	WL-118 5'	Background (0.01-0.04)	0.0-15.0' <u>Landfill Debris</u> : trashy debris consisting of plastic, cloth, paper, glass, and metal; soil consisting of light brown to dark gray, silty, plastic clay; dry to moist.
10	WL-118 10'	Background (0.01-0.04)	
15	WL-118 15'	Background (0.01-0.04)	
Boring terminated @ 15.0'			


Notes:

Radiological samples collected at 5 and 10 feet below ground surface.

Non-radiological samples not collected during boring activities.


Perched water not encountered during boring activities.

Groundwater not encountered during boring activities.

Soil Boring Log		 McLaren Hart	
Boring No. WL-119		Project No./Name 07.0803035.003.002	Page: 1 of 1
Start/Finish Date 9/29/95		Site Name and Location West Lake Landfill; Bridgeton, Missouri	
Drilling Contractor Drilling Service Company		Boring Location: Area 1	
Driller Bruce Murphy		Ground Surface Elevation: 477.4	
		Northing: 1069031.14	
		Easting: 516289.26	
Drilling Equipment LDH-80T Drill Rig, Large Diameter Auger		McLaren/Hart Geologist/Office Tim Biggs / St. Louis	
Bit Size/Type 24" OD Solid Auger	Sample Method Grab from Augers	T.D. Borehole 50'	Well Installed? None Installed
Remarks:			
Depth (ft)	Sample ID #	Gelger Reading (mR/hr)	Description
5	WL-119 5'	Background (0.01-0.04)	0.0-44.0' <u>Landfill Debris</u> : trashy debris consisting of yard waste, insulation, wire, wood, plastic, shingles, cloth, carpet, paper, glass, and metal; soil consisting of light brown to dark gray, silty, plastic clay to sandy silt; dry to moist.
10	None Taken	Background (0.01-0.04)	
15	WL-119 15'	Background (0.01-0.04)	
20	None Taken	Background (0.01-0.04)	
25	WL-119 25'	Background (0.01-0.04)	
30	None Taken	Background (0.01-0.04)	
35	None Taken	Background (0.01-0.04)	44.0-50.0' <u>Native Alluvium</u> : dark gray, silty, fine to medium-grained sand; moist.
40	None Taken	Background (0.01-0.04)	
45	WL-119 45'	Background (0.01-0.04)	
50	WL-119 50'	Background (0.01-0.04)	
			Boring terminated @ 50.0'

Notes:

- Radiological samples collected at 5 and 50 feet below ground surface; duplicate collected and analyzed for 50' sample.
- Non-radiological samples collected at 50 feet below ground surface; priority pollutant and priority pollutant duplicate sample collected and analyzed.
- Perched water not encountered during boring activities.
- Groundwater not encountered during boring activities.

Soil Boring Log		 McLaren Hart	
Boring No. WL-120		Project No./Name 07.0803035.003.002	
Start/Finish Date 9/29/95		Page: 1 of 1	
Site Name and Location West Lake Landfill; Bridgeton, Missouri			
Drilling Contractor Drilling Service Company		Boring Location: Area 1	
Driller Bruce Murphy		Ground Surface Elevation: 474.7	
		Northing: 1069053.64	
		Easting: 516846.57	
Drilling Equipment LDH-80T Drill Rig, Large Diameter Auger		McLaren/Hart Geologist/Office Tim Biggs / St. Louis	
Bit Size/Type 24" OD Solid Auger	Sample Method Grab from Augers	T.D. Borehole 52'	Well Installed? None Installed
Remarks:			
Depth (ft)	Sample ID #	Geiger Reading (mR/hr)	Description
5	WL-120 5'	Background (0.01-0.04)	0.0-52.0' Landfill Debris: trashy debris consisting of yard waste, insulation, rubber, wire, wood, plastic, shingles, cloth, carpet, paper, glass, and metal; soil consisting of light brown to dark gray, silty, plastic clay to silty sand; dry to wet.
10	None Taken	Background (0.01-0.04)	
15	None Taken	Background (0.01-0.04)	
20	WL-120 20'	Background (0.01-0.04)	
25	WL-120 25'	Background (0.01-0.04)	
30	None Taken	Background (0.01-0.04)	
35	None Taken	Background (0.01-0.04)	
40	None Taken	Background (0.01-0.04)	
45	None Taken	Background (0.01-0.04)	
50	WL-120 50'	Background (0.01-0.04)	
55	None Taken	Background (0.01-0.04)	Boring terminated @ 52.0'

Notes:

Radiological samples collected at 5 and 50 feet below ground surface; duplicate collected and analyzed for 50' sample.

Non-radiological samples not collected during boring activities.

Perched water not encountered during boring activities.

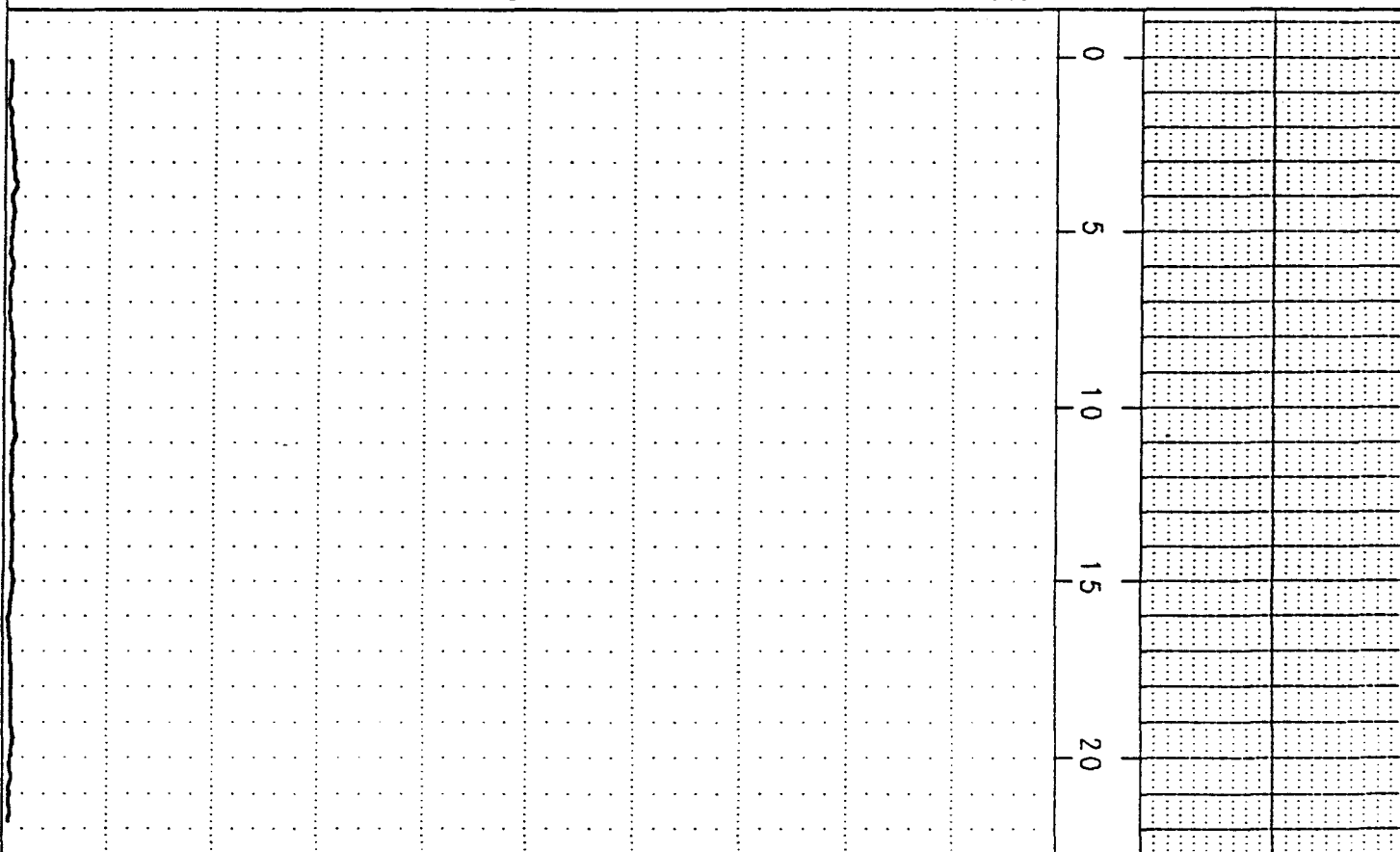
Groundwater not encountered during boring activities.

**Area 1 Soil Boring
Downhole Gamma Logs**

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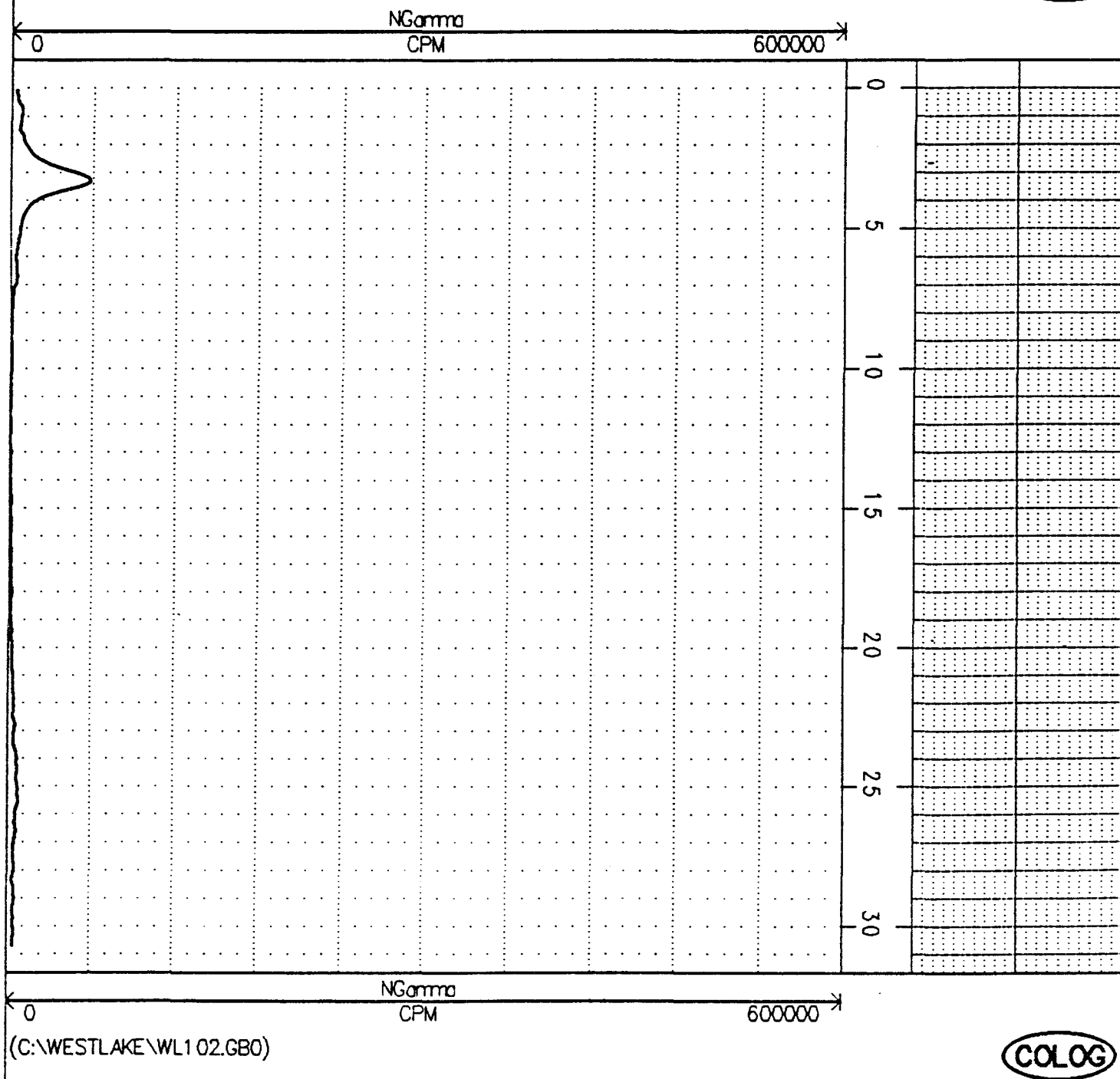
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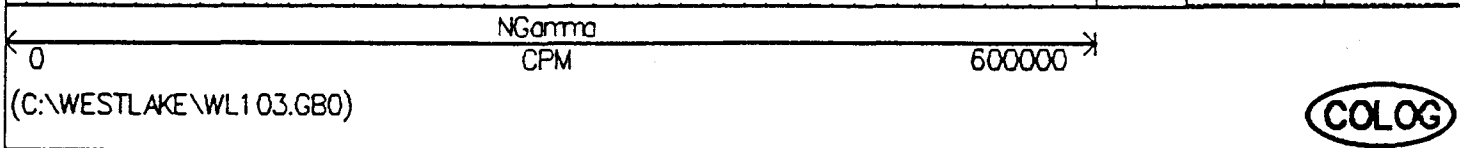
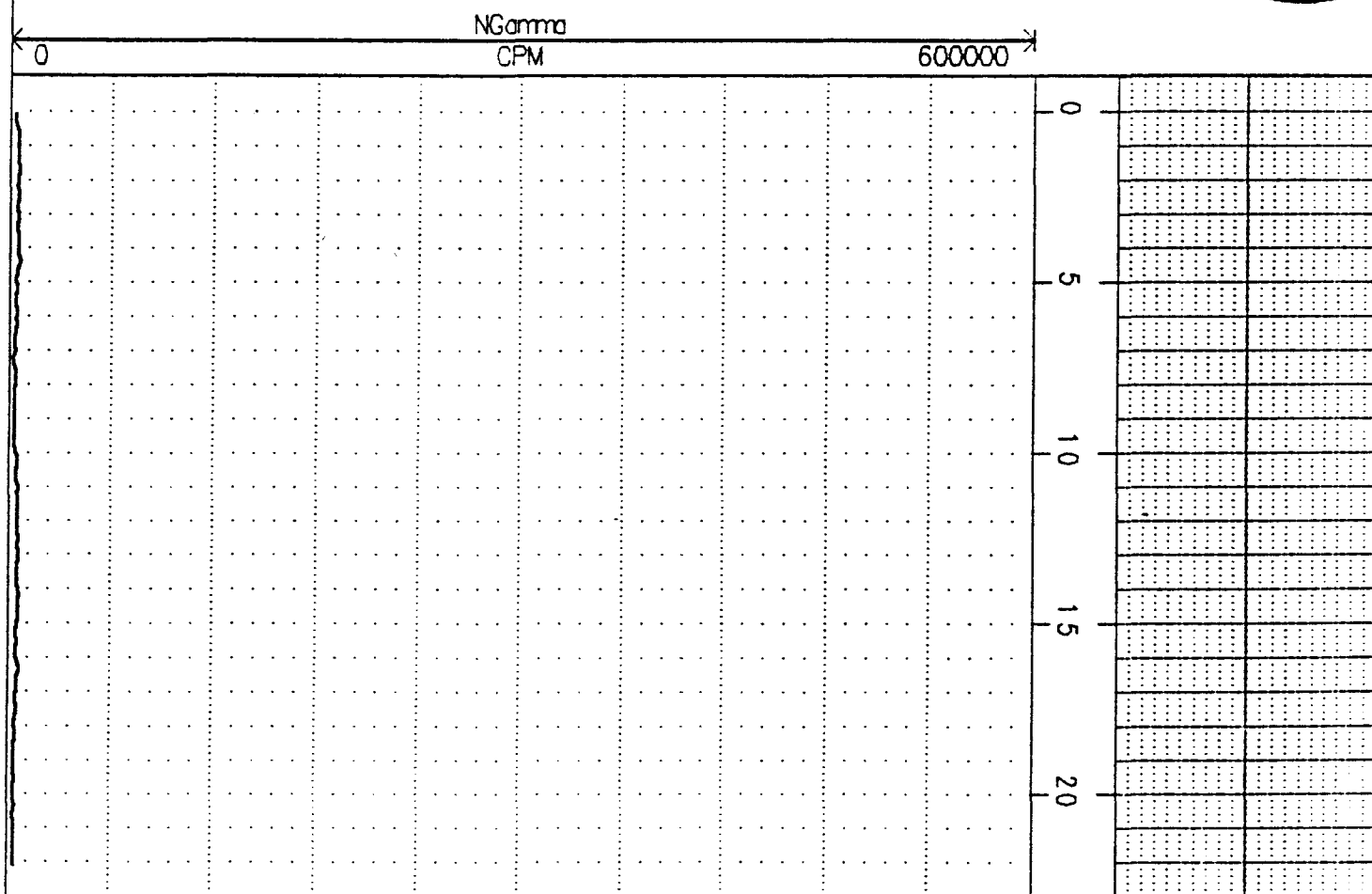
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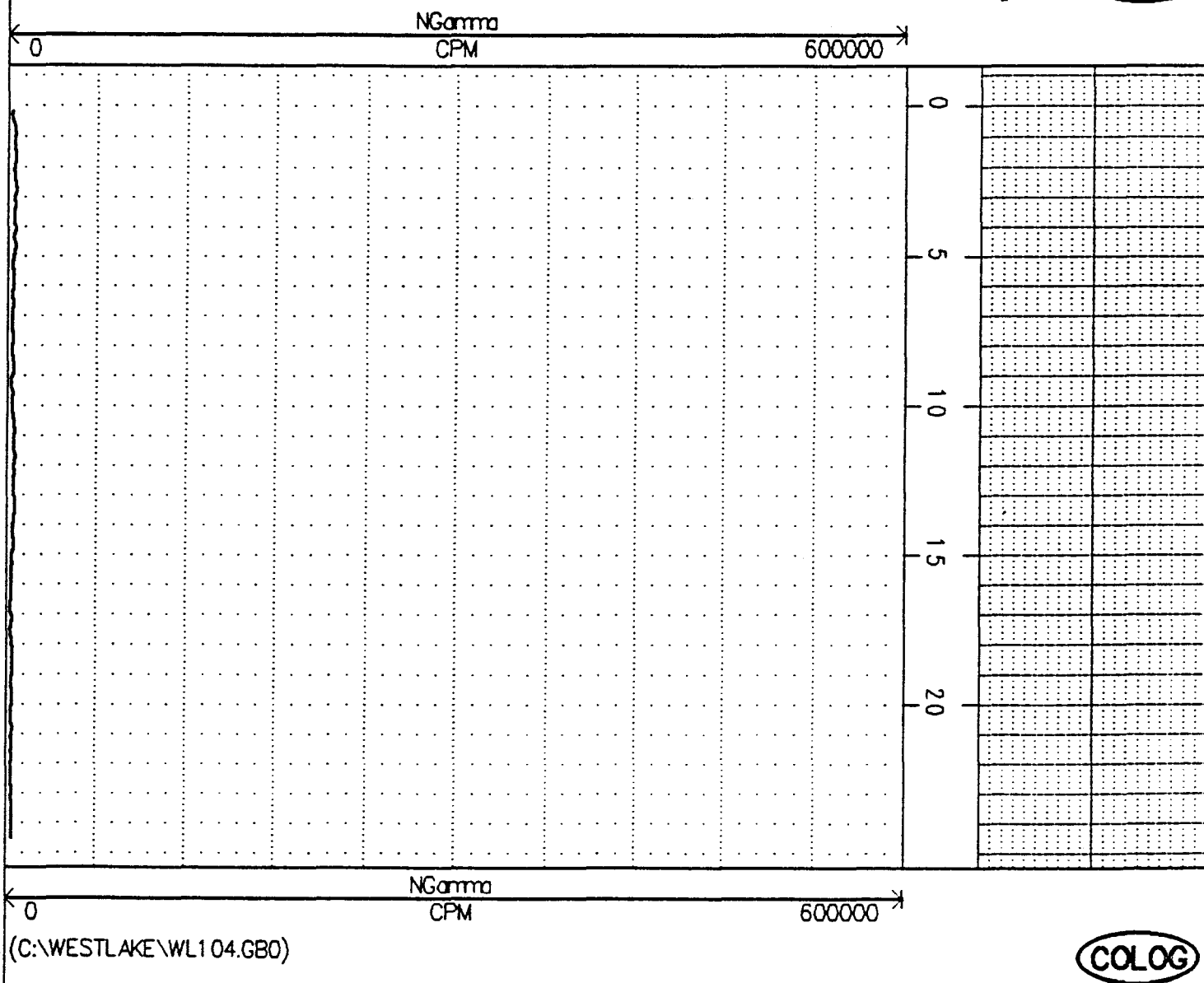


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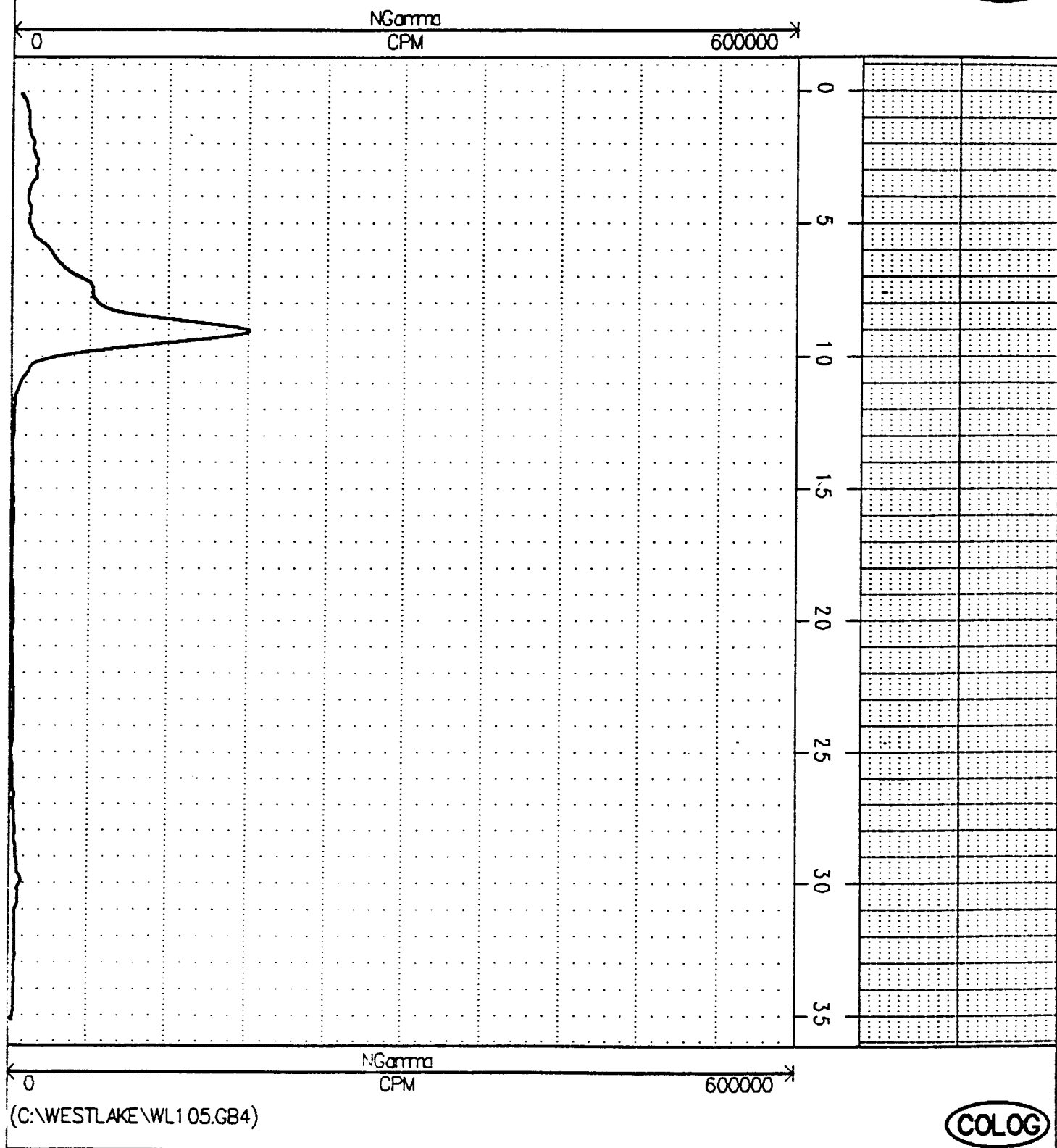
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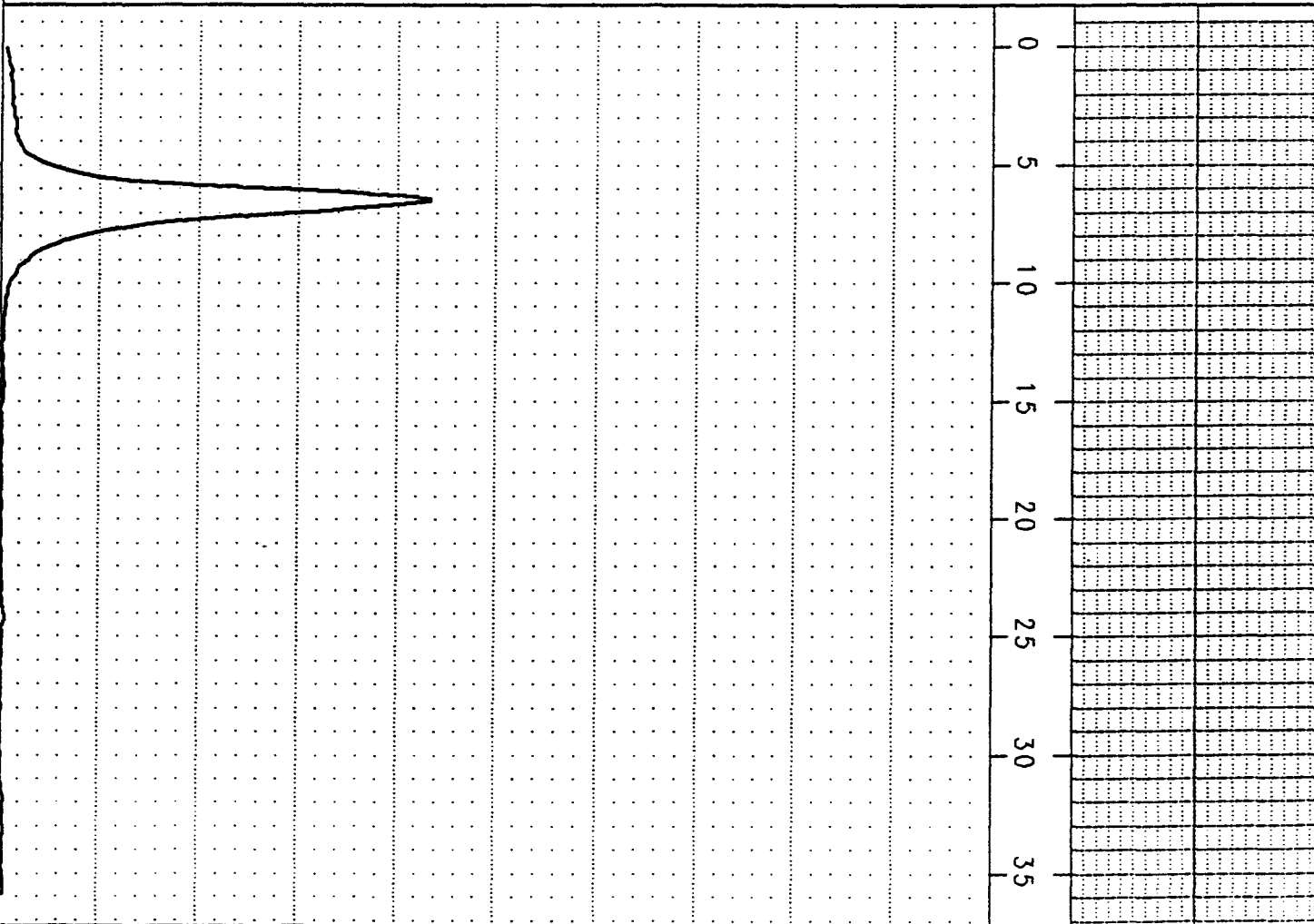
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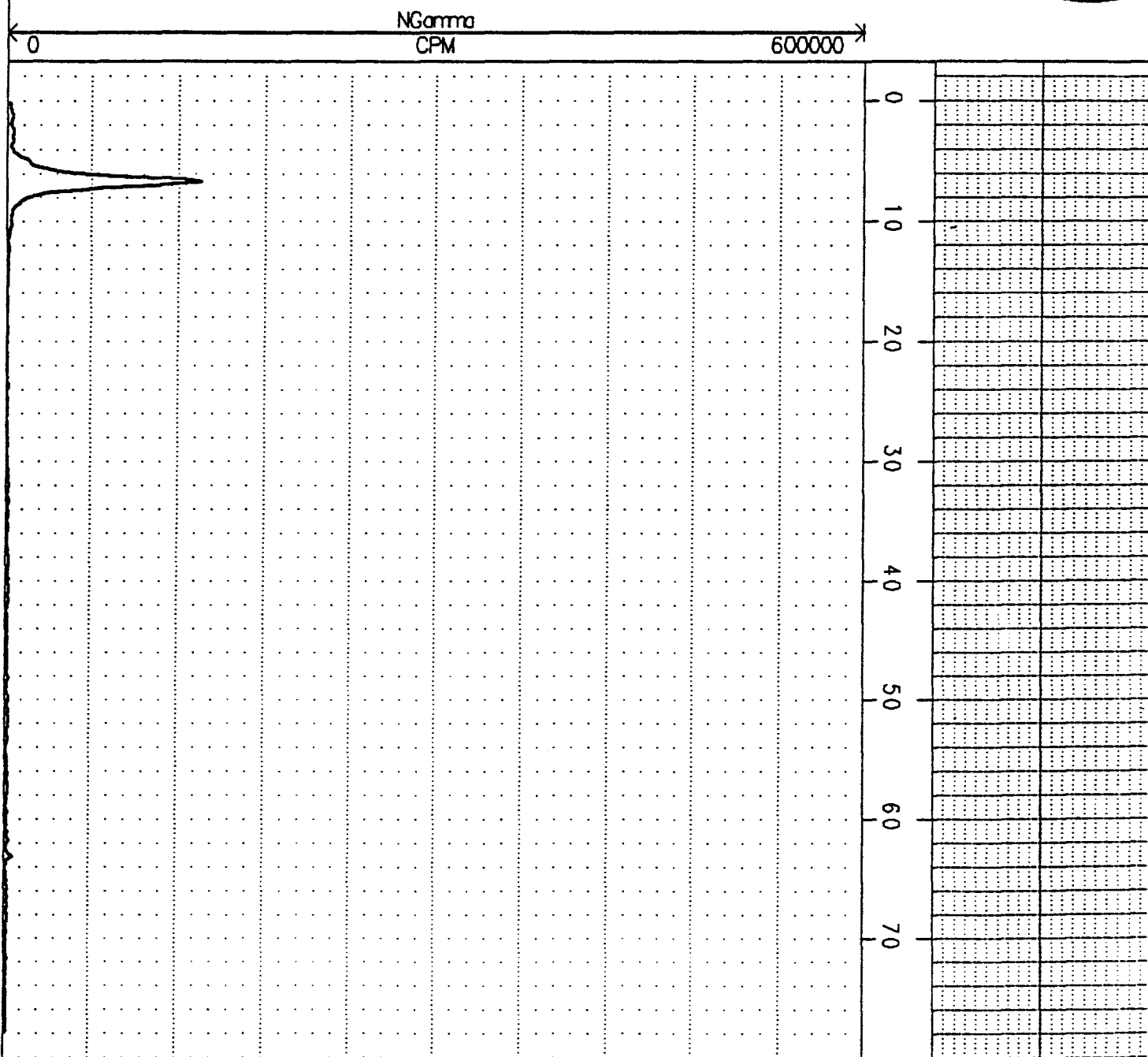
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(C:\WESTLAKE\WLI4.GB0)

COLOG

(C:\WESTLAKE\WLI4D.GB0)

COLOG

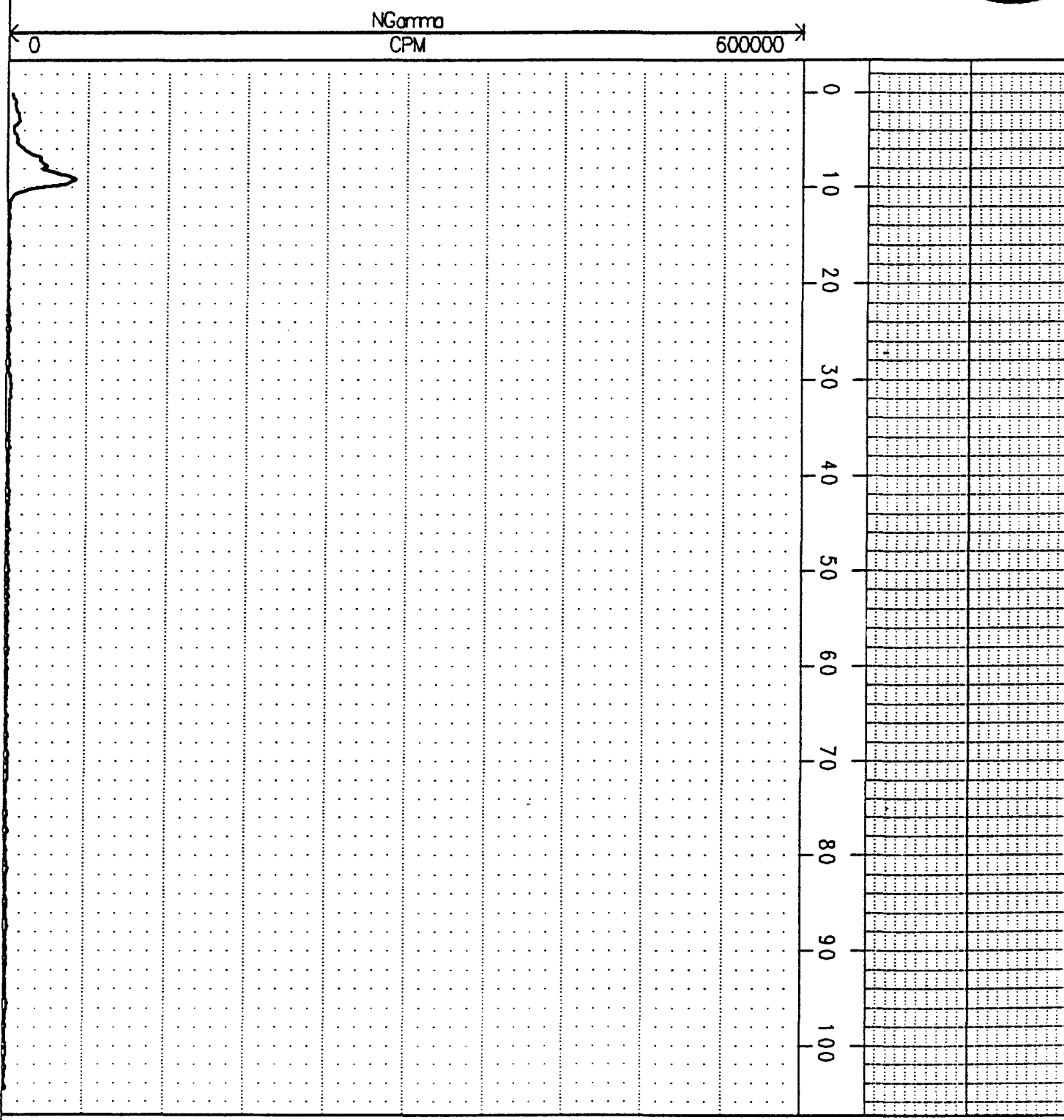


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COLOG

(C:\WESTLAKE\WL105D.GB0)

COLOG



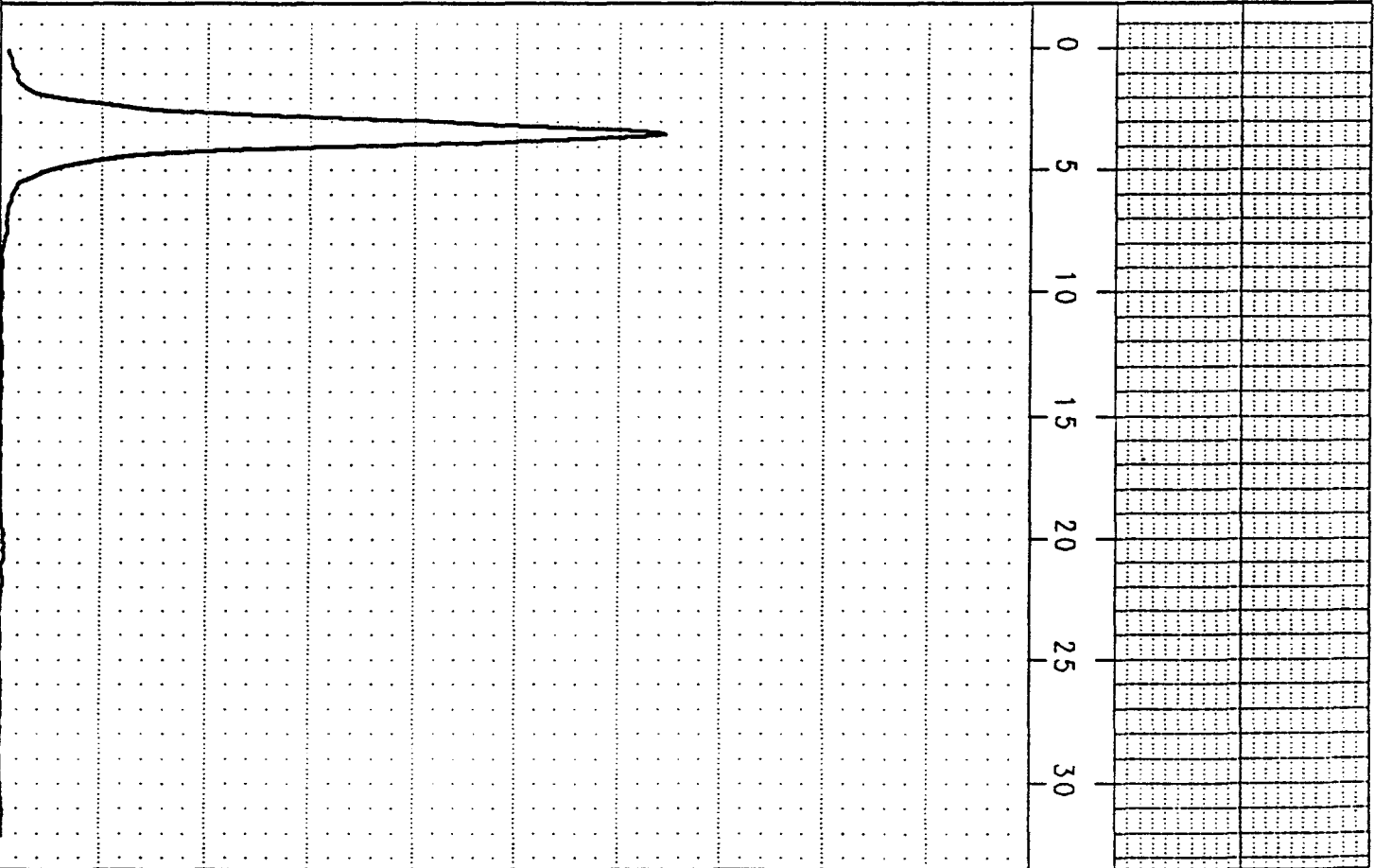
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COLOG

(C:\WESTLAKE\WLS5.GB0)

COLOG

← 0 NGamma CPM 600000 →



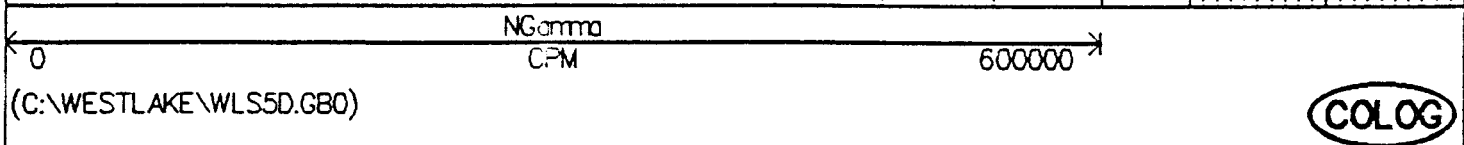
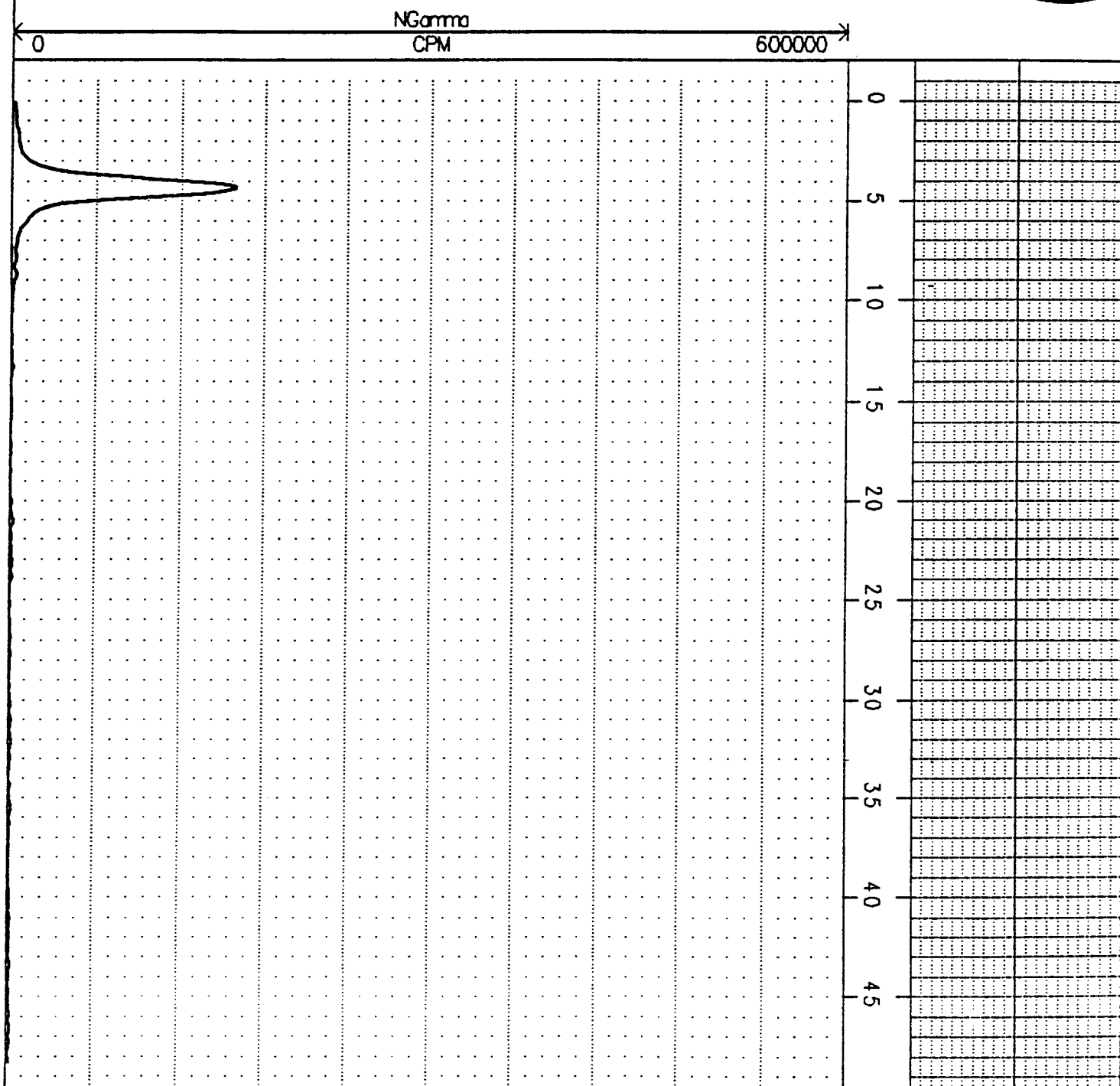
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COLOG

(C:\WESTLAKE\WLS5D.GB0)

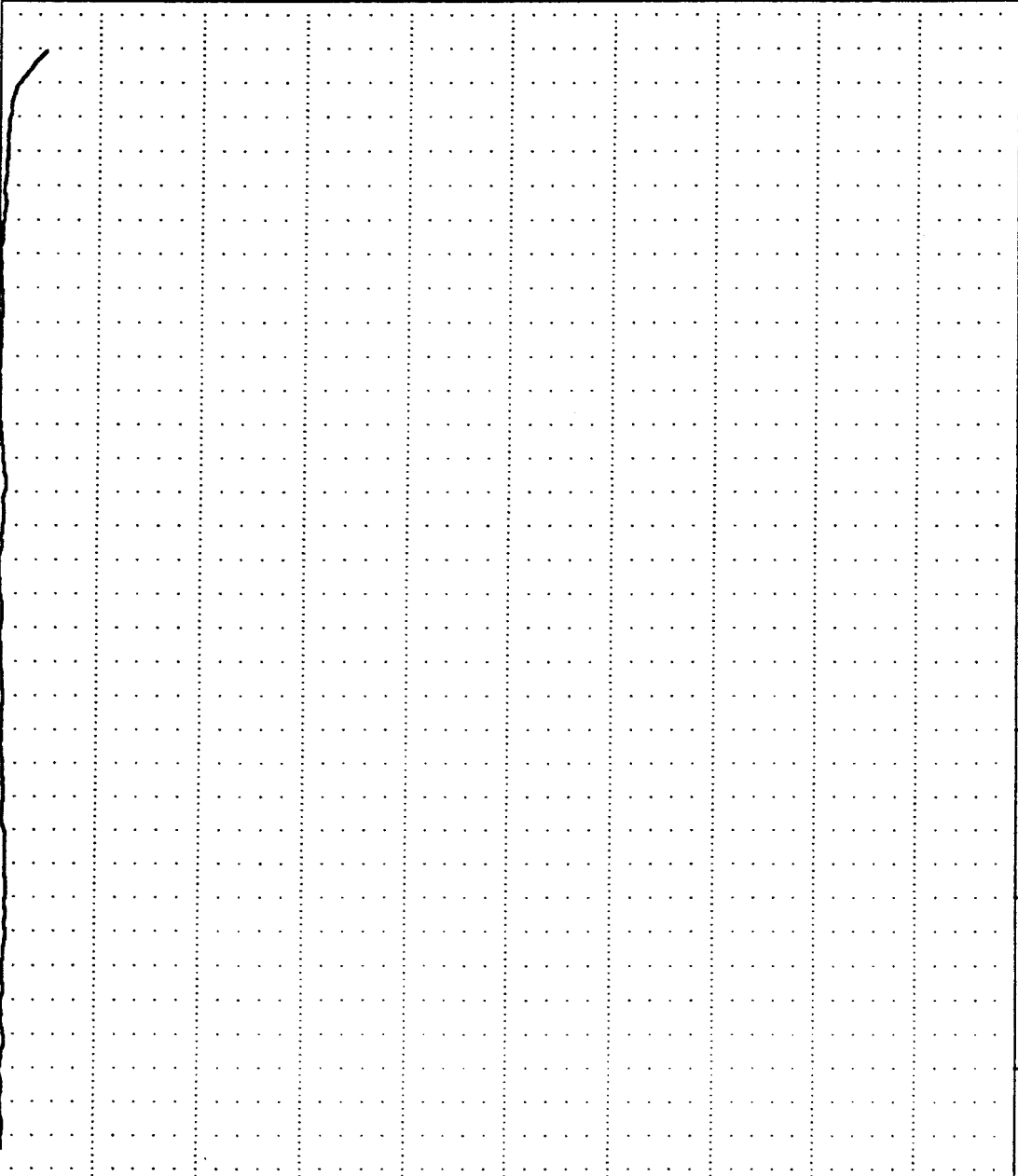
COLOG



(C:\WESTLAKE\WL106A.GB0)

COLOG

← 0 NGamma CPM 600000 →



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← 0 NGamma CPM 600000 →

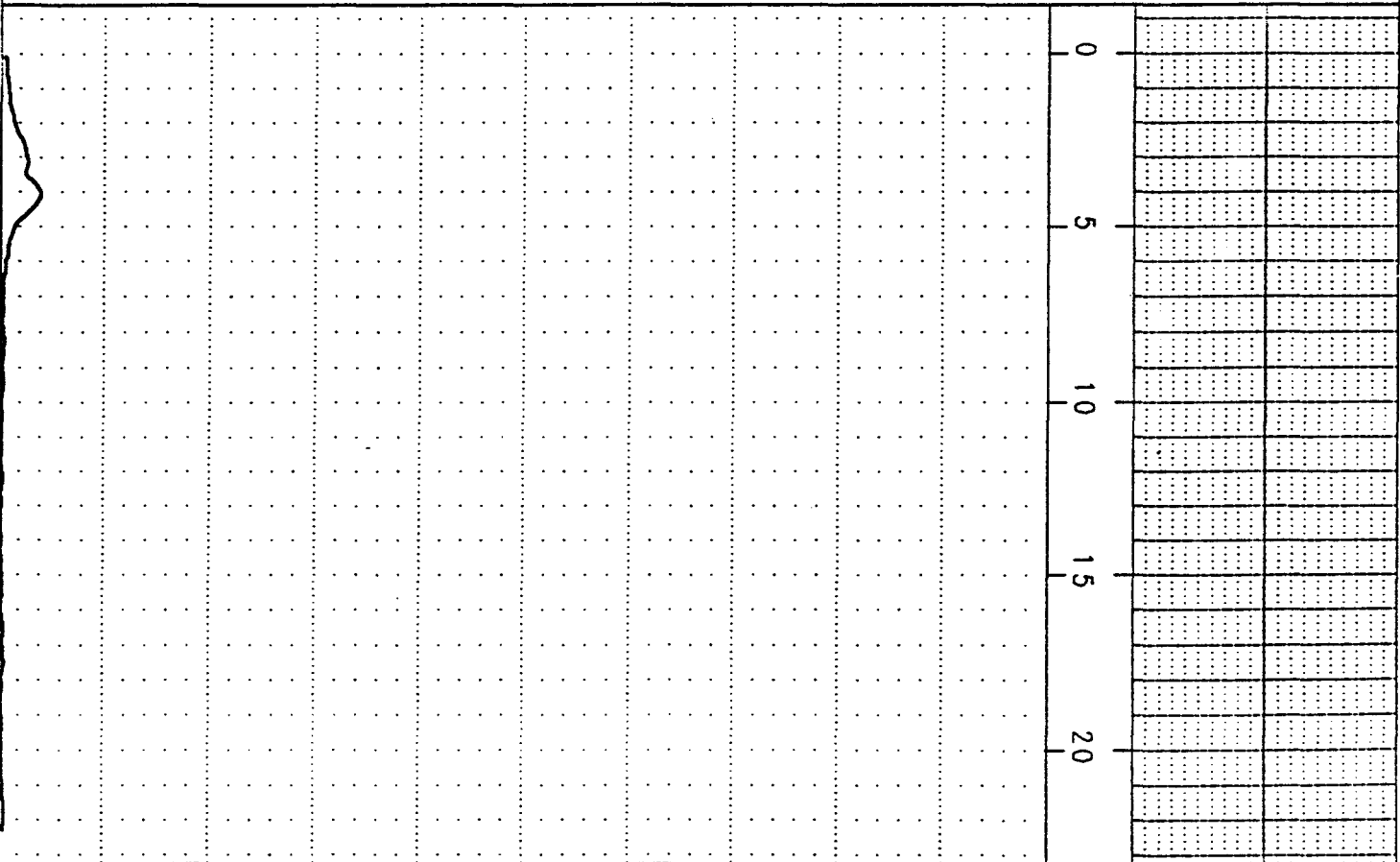
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COLOG

(C:\WESTLAKE\WL106.GB0)

COLOG

← 0 NGamma CPM 600000 →



← 0 NGamma CPM 600000 →

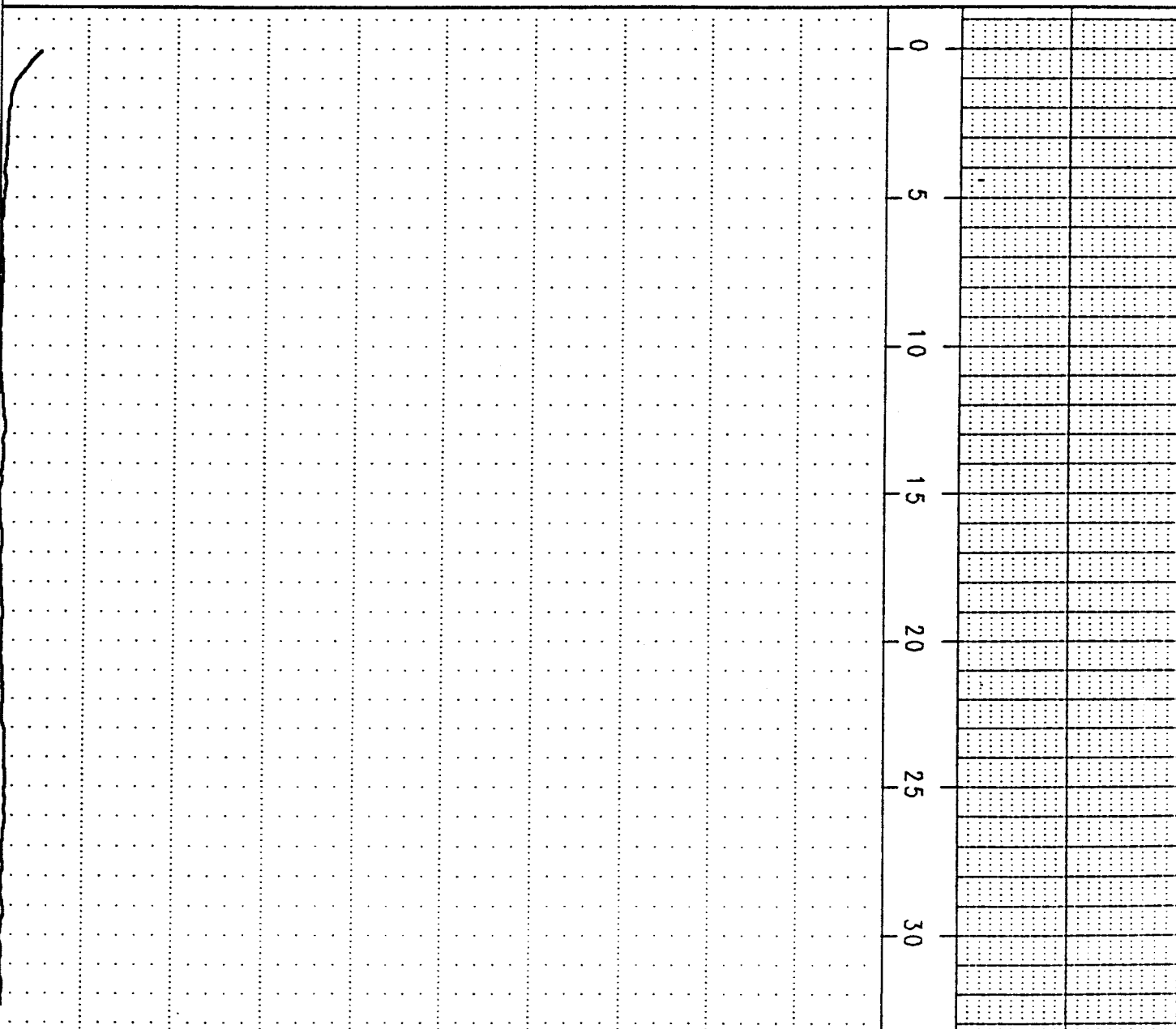
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COLOG

(C:\WESTLAKE\WL106A.GB0)

COLOG

← 0 NGamma CPM 600000 →



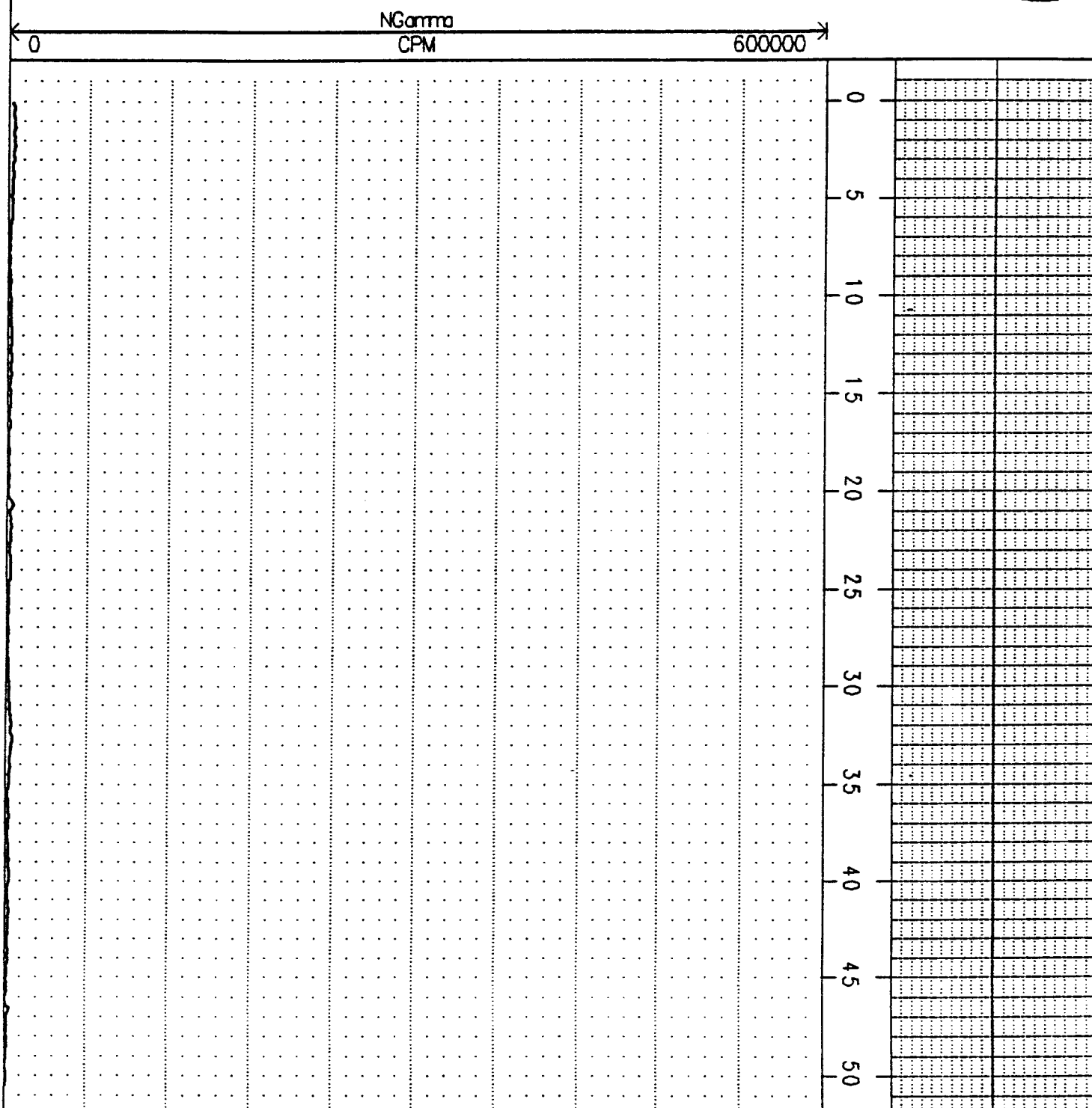
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COLOG

(C:\WESTLAKE\WL107.GB0)

COLOG



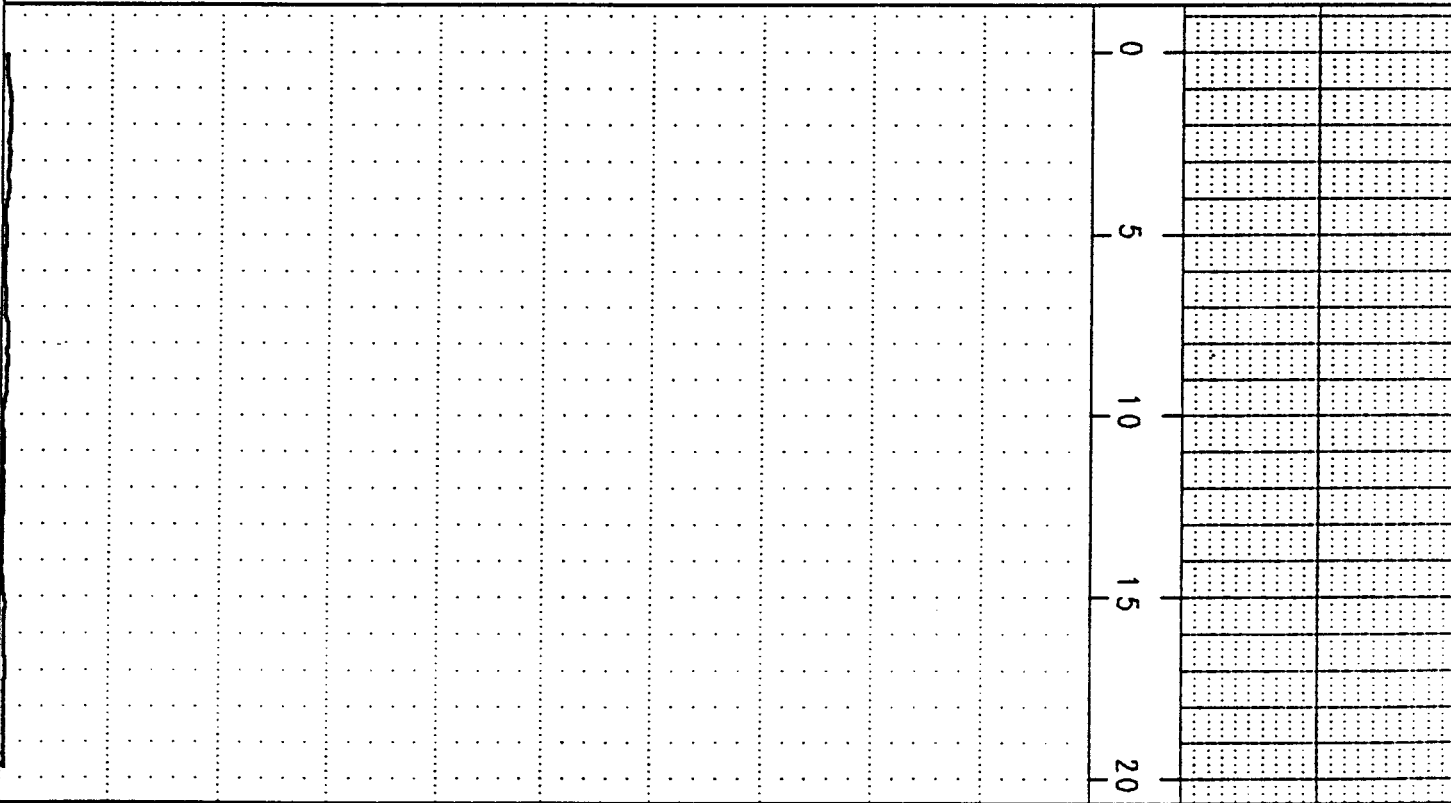
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COLOG

(C:\WESTLAKE\WL108.GB0)

COLOG

← 0 NGamma CPM 600000 →



← 0 NGamma CPM 600000 →

(C:\WESTLAKE\WL108.GB0)

COLOG

(C:\WESTLAKE\WL109.GB0)

COLOG

NGamma
CPM

0

600000

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10

15

20

25

30

35

40

45

NGamma
CPM

0

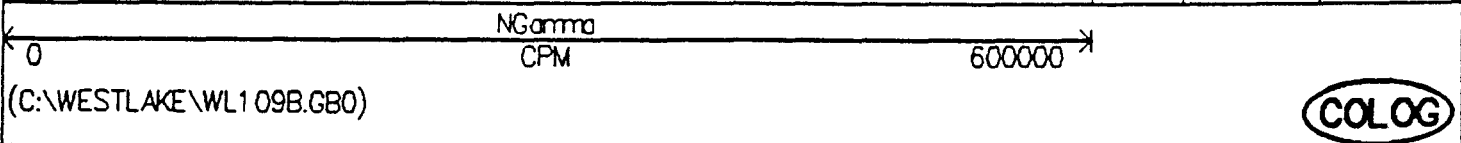
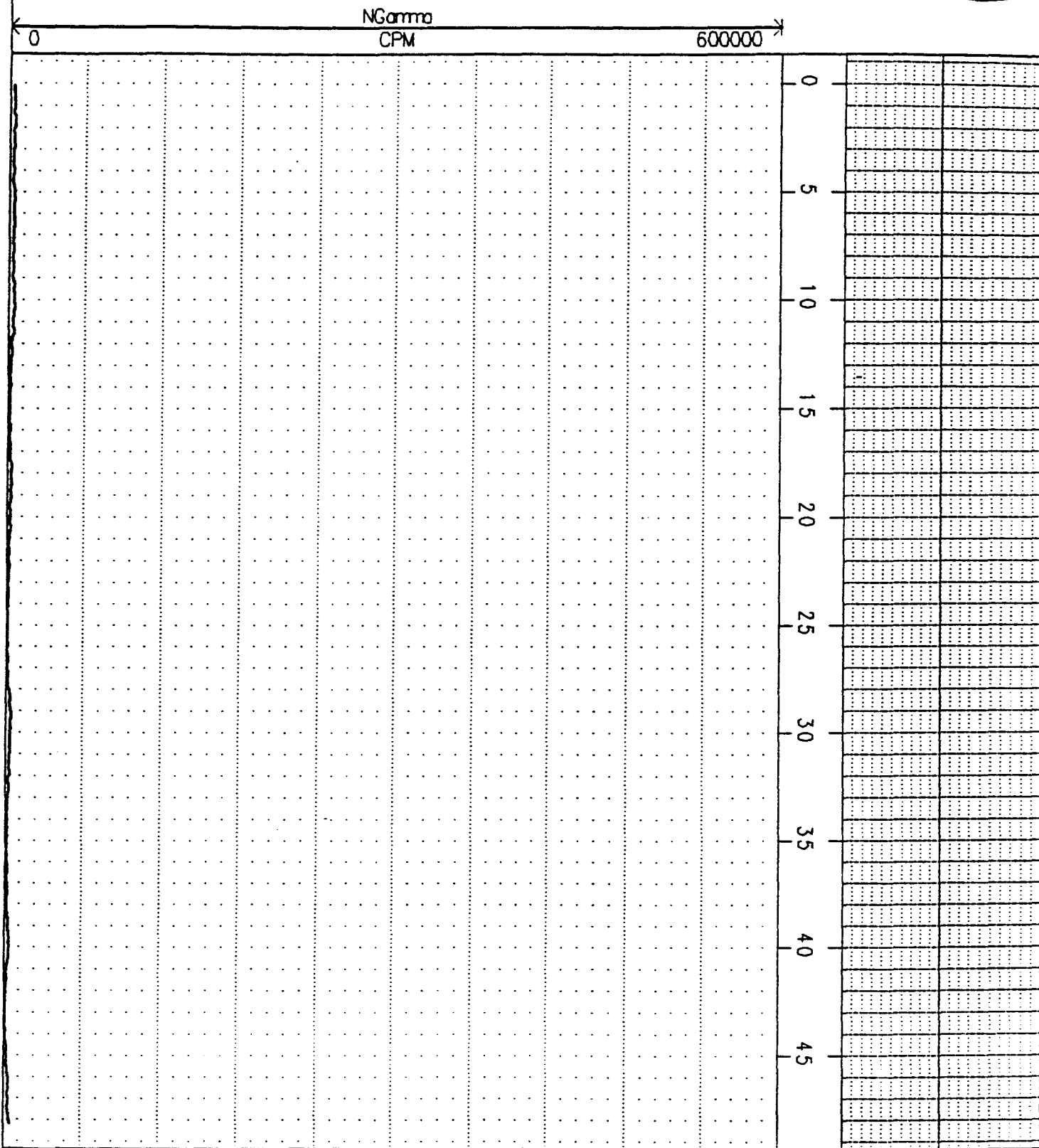
600000

(C:\WESTLAKE\WL109.GB0)

COLOG

(C:\WESTLAKE\WL109B.GB0)

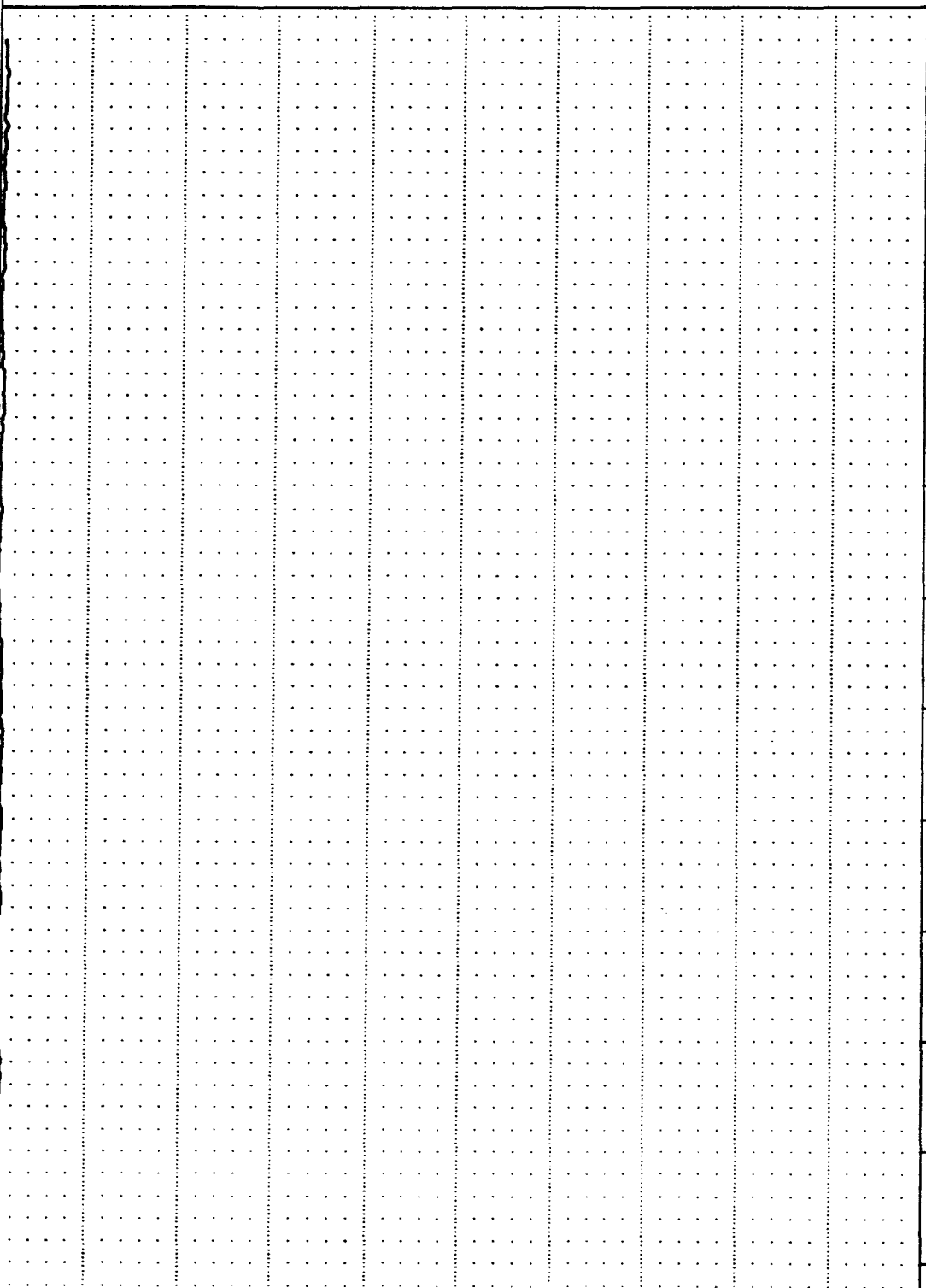
COLOG



(C:\WESTLAKE\WL109C.GB0)

COLOG

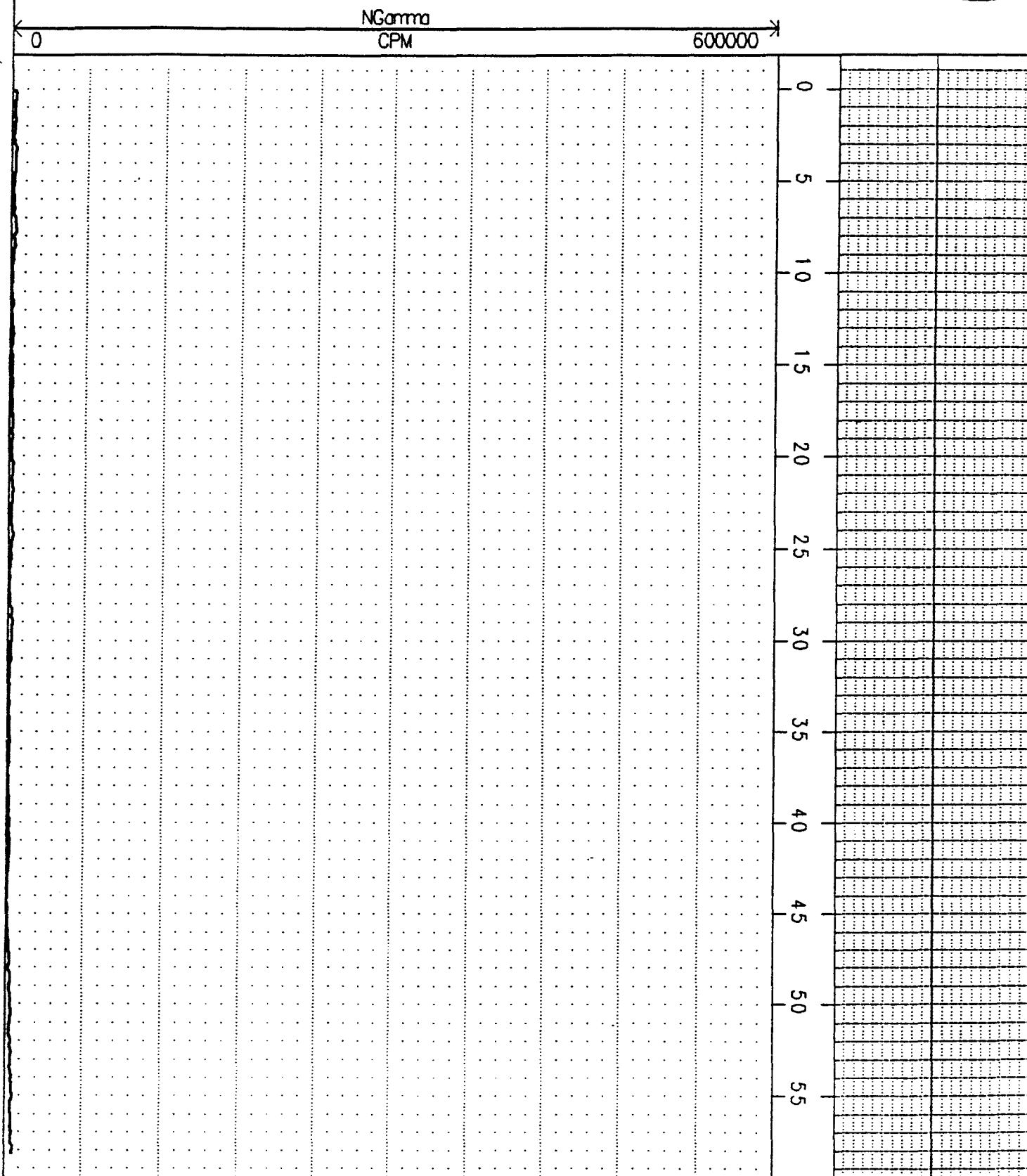
NGamma
CPM



NGamma
CPM

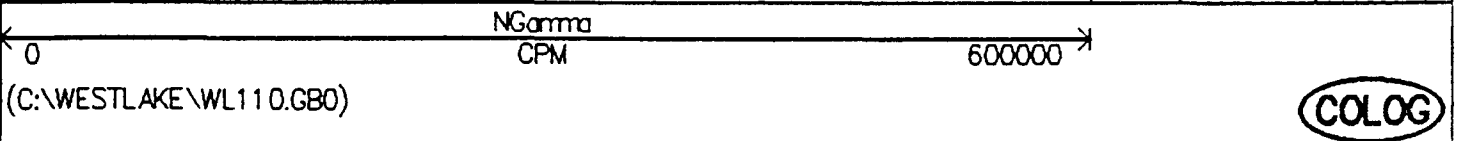
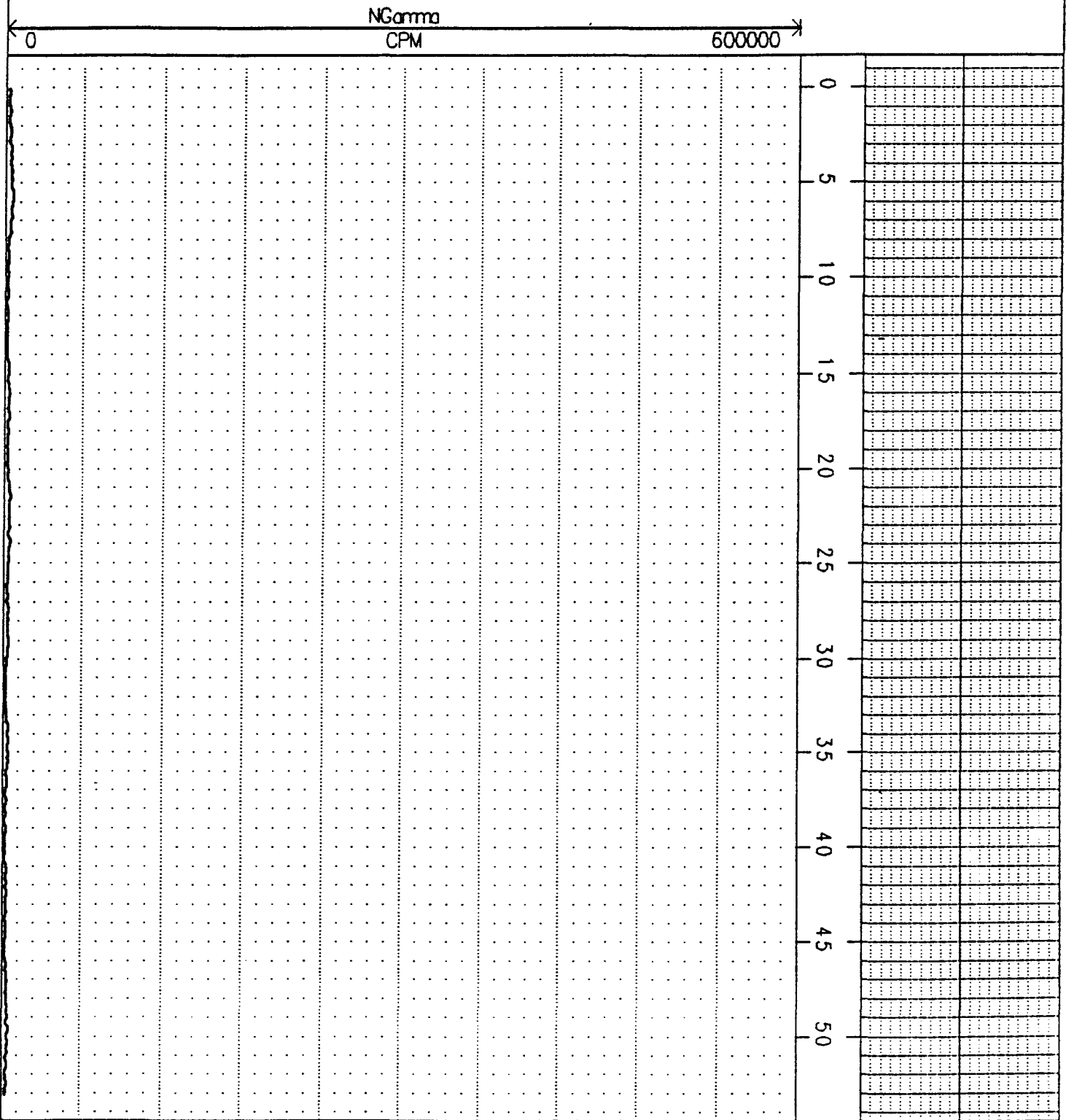
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COLOG



(C:\WESTLAKE\WL110.GB0)

COLOG



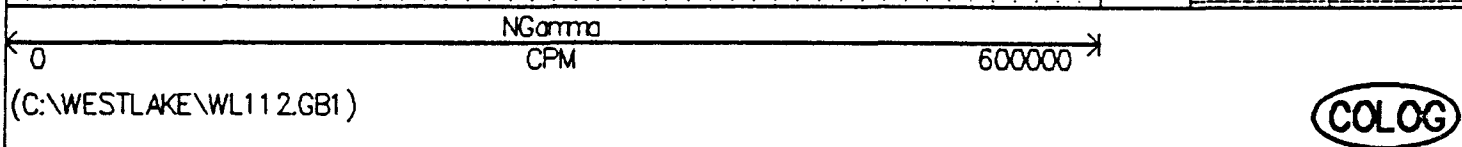
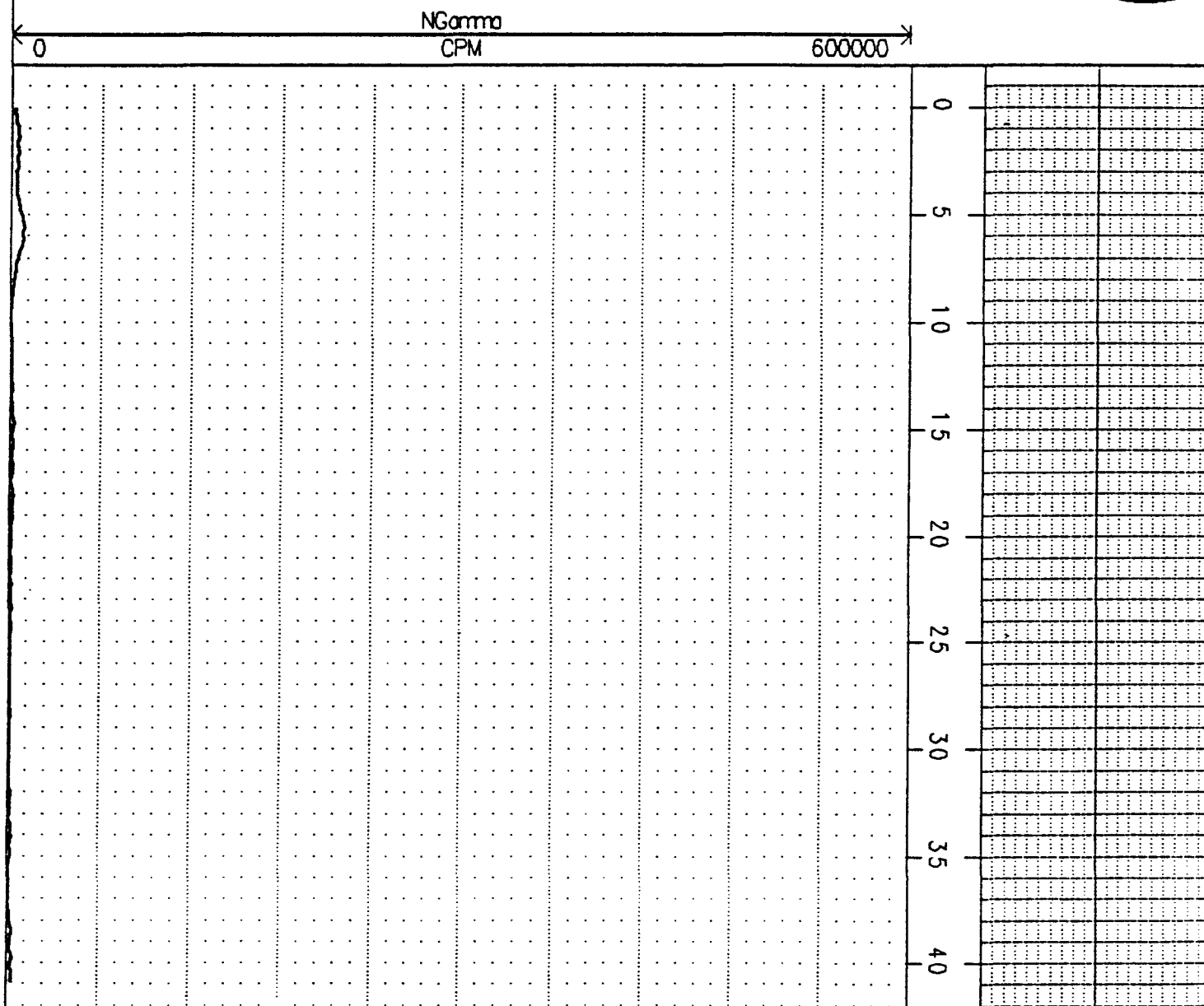
COLOG



COLOG

(C:\WESTLAKE\WL112.GB1)

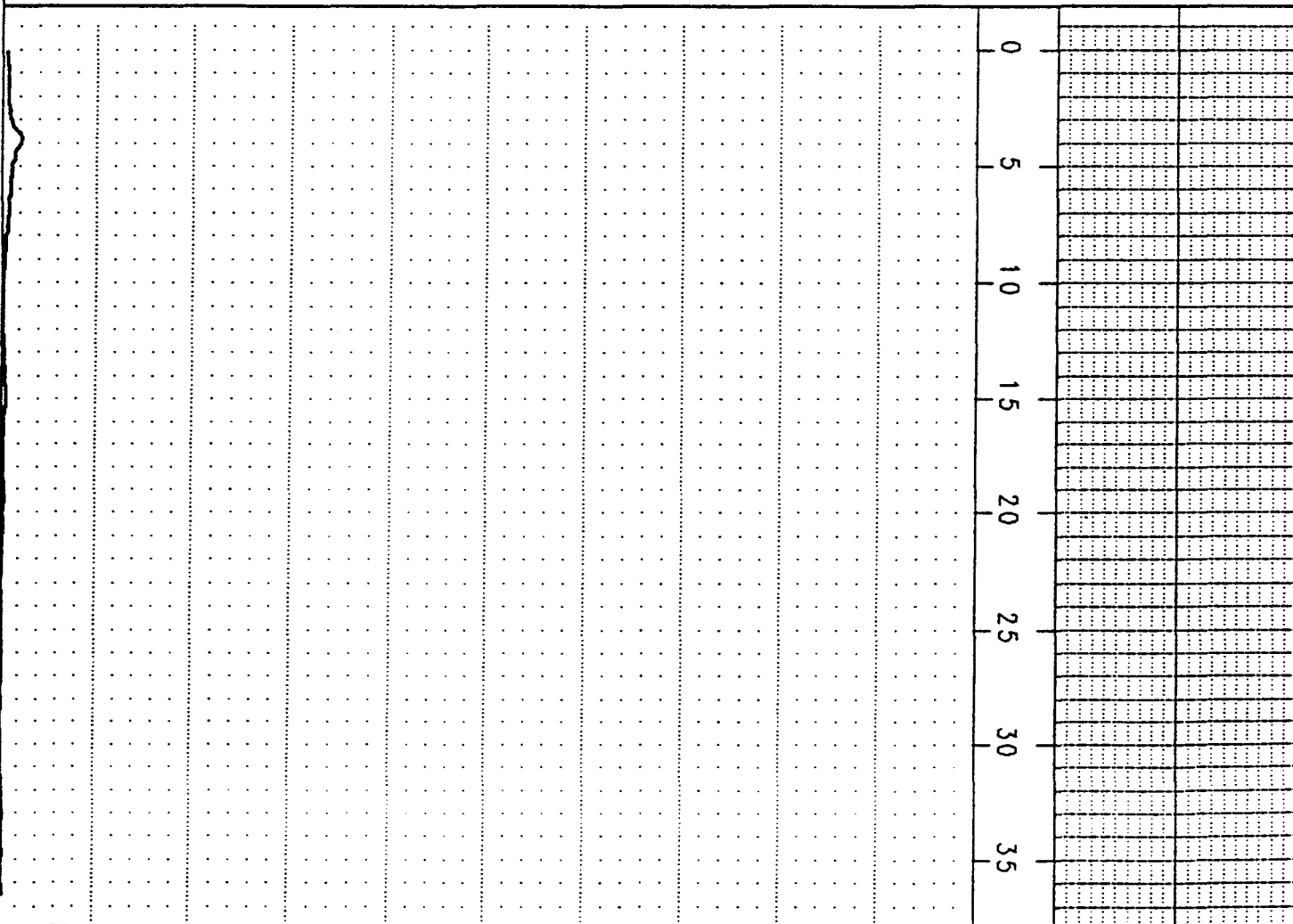
COLOG



(C:\WESTLAKE\WL113.GB0)

COLOG

← 0 NGamma CPM 600000 →



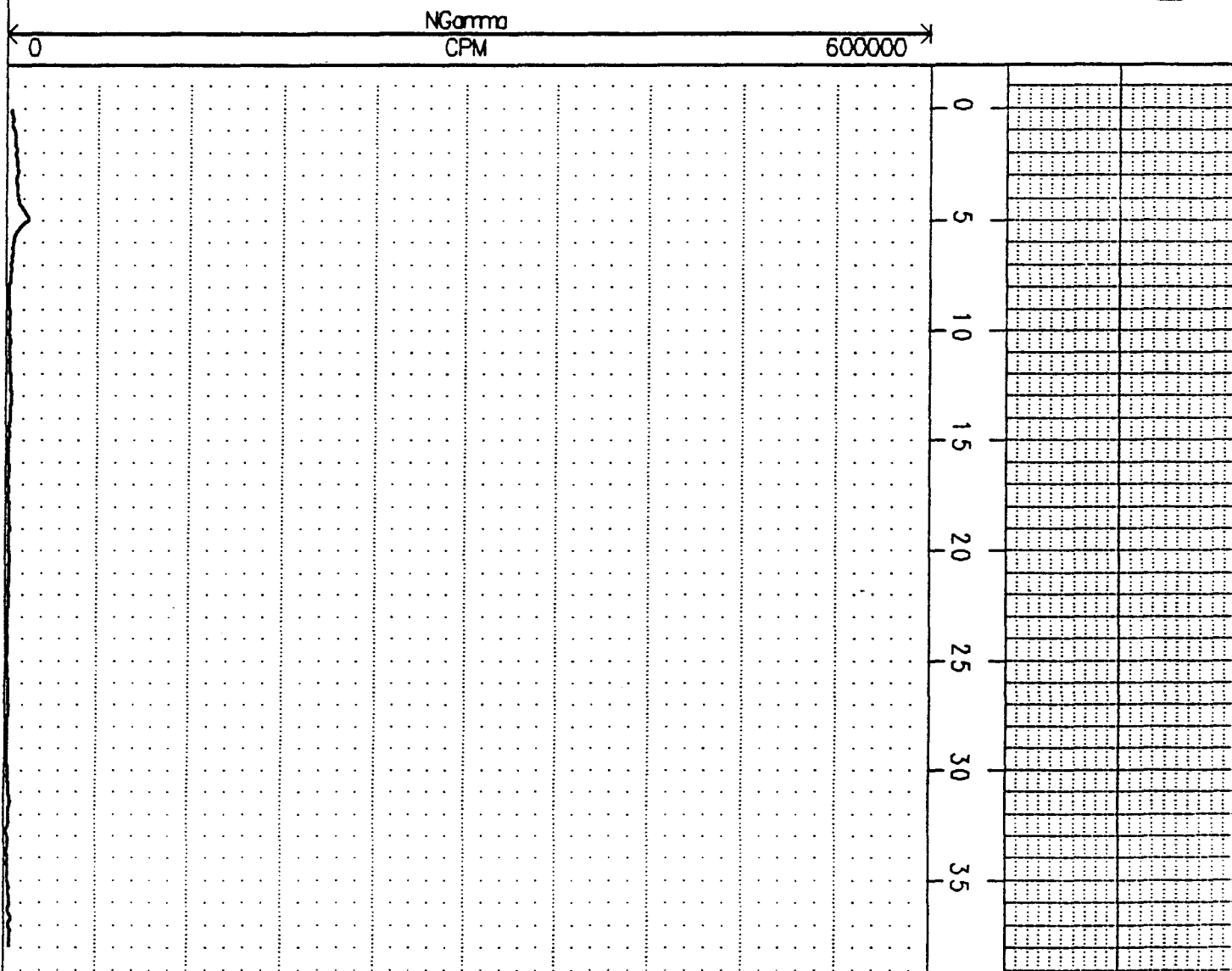
← 0 NGamma CPM 600000 →

(C:\WESTLAKE\WL113.GB0)

COLOG

(C:\WESTLAKE\WL114.GB0)

COLOG



NGamma
CPM

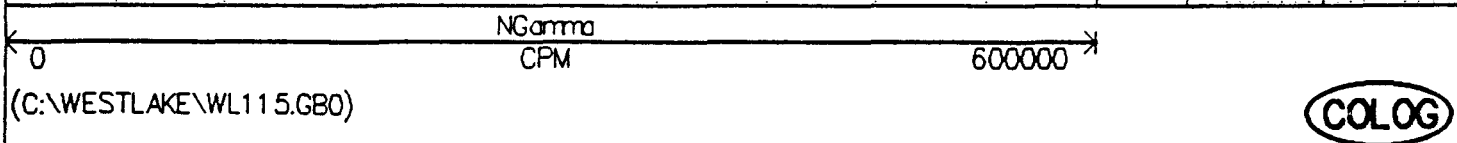
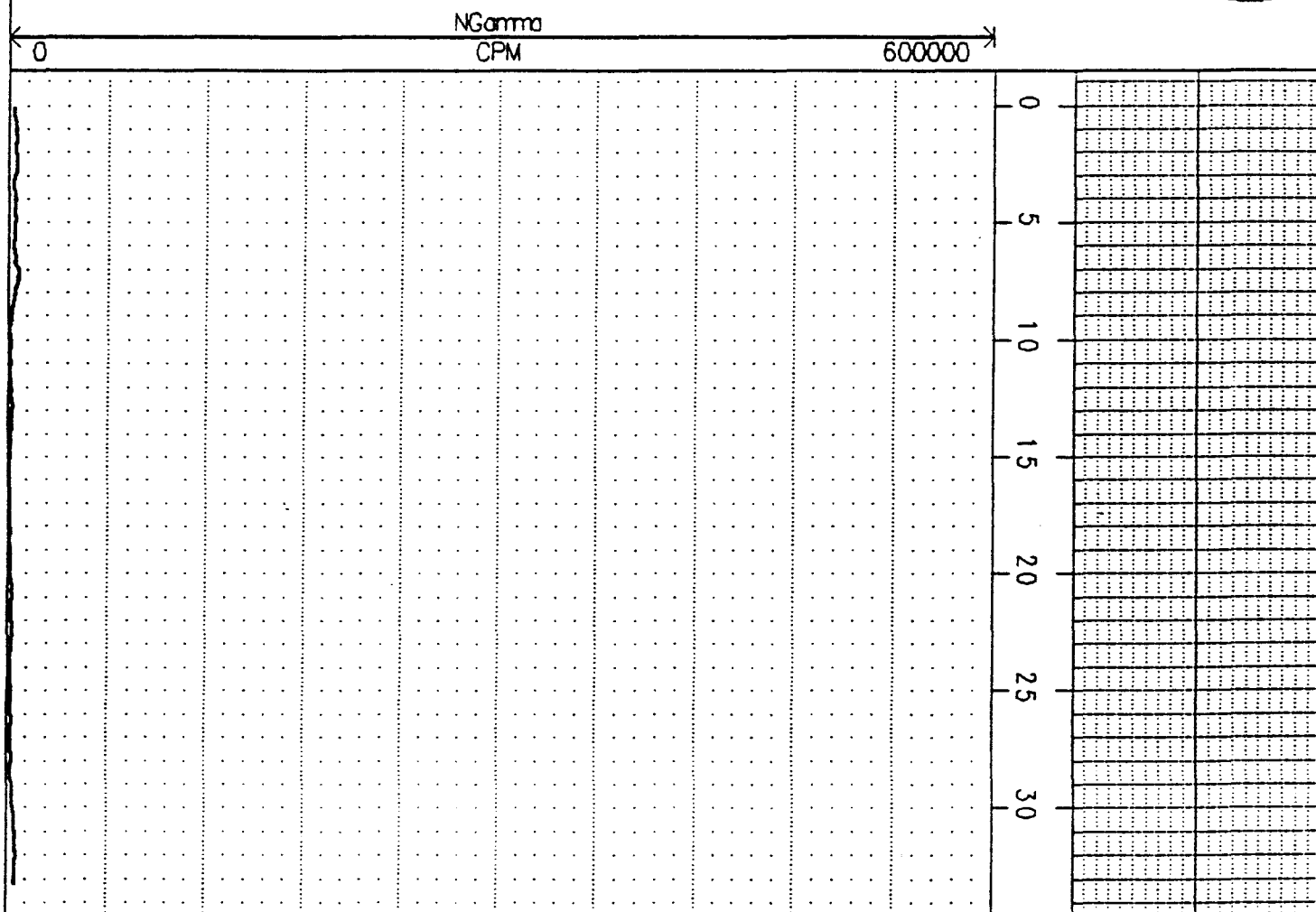
0 600000

(C:\WESTLAKE\WL114.GB0)

COLOG

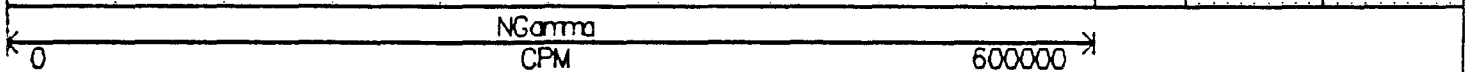
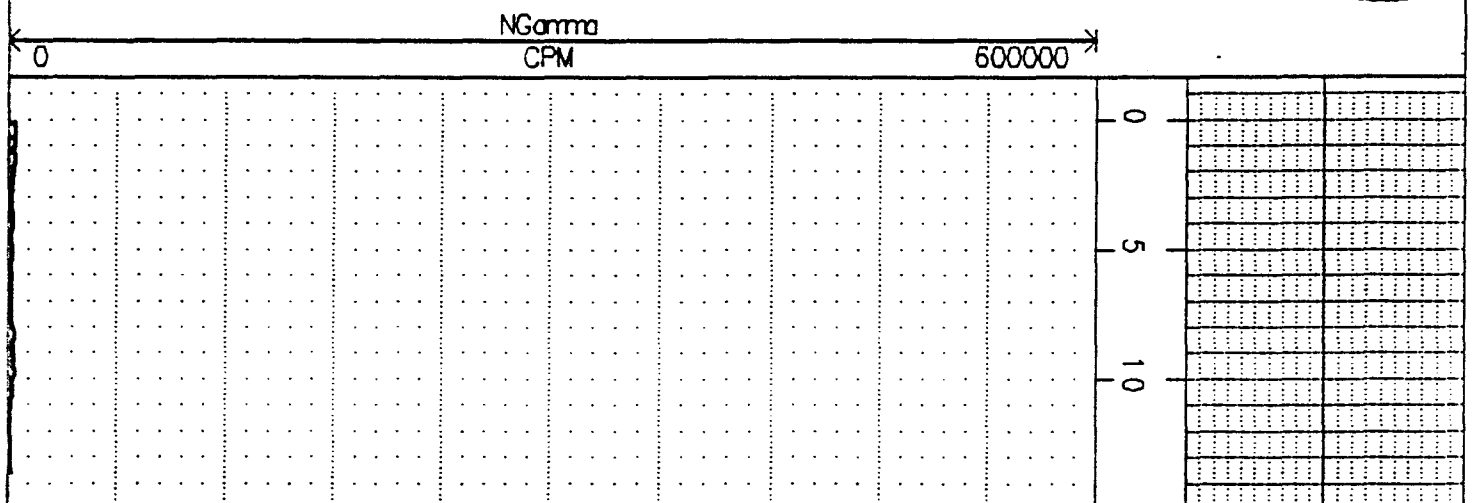
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COLOG



(C:\WESTLAKE\WL116.GB0)

COLOG

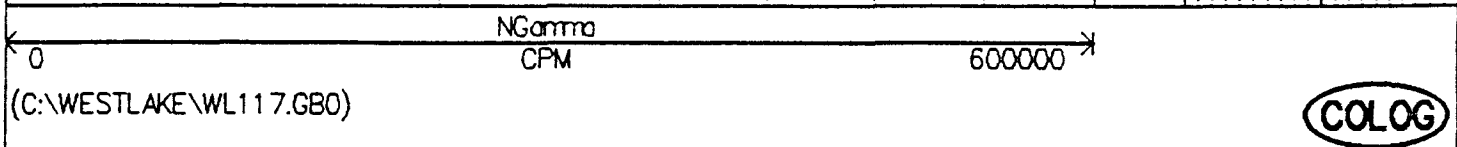
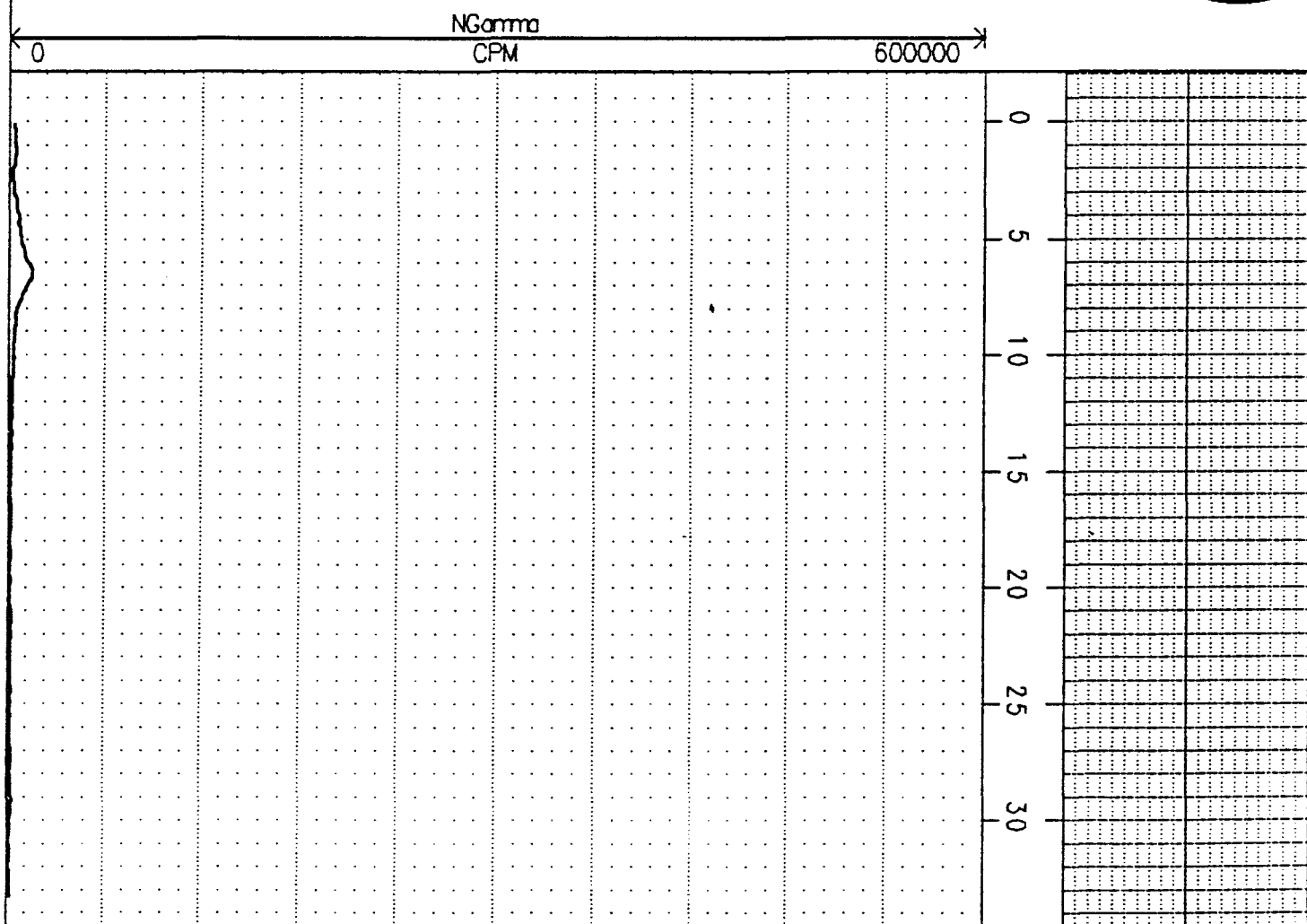


(C:\WESTLAKE\WL116.GB0)

COLOG

(C:\WESTLAKE\WL117.GB0)

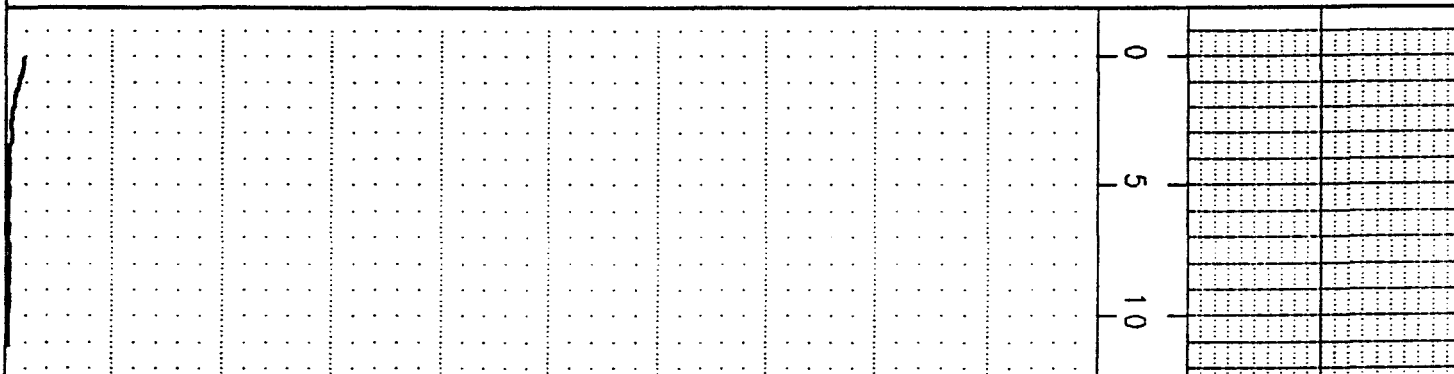
COLOG



(C:\WESTLAKE\WL118.GB0)

COLOG

← 0 NGamma CPM 600000 →



← 0 NGamma CPM 600000 →

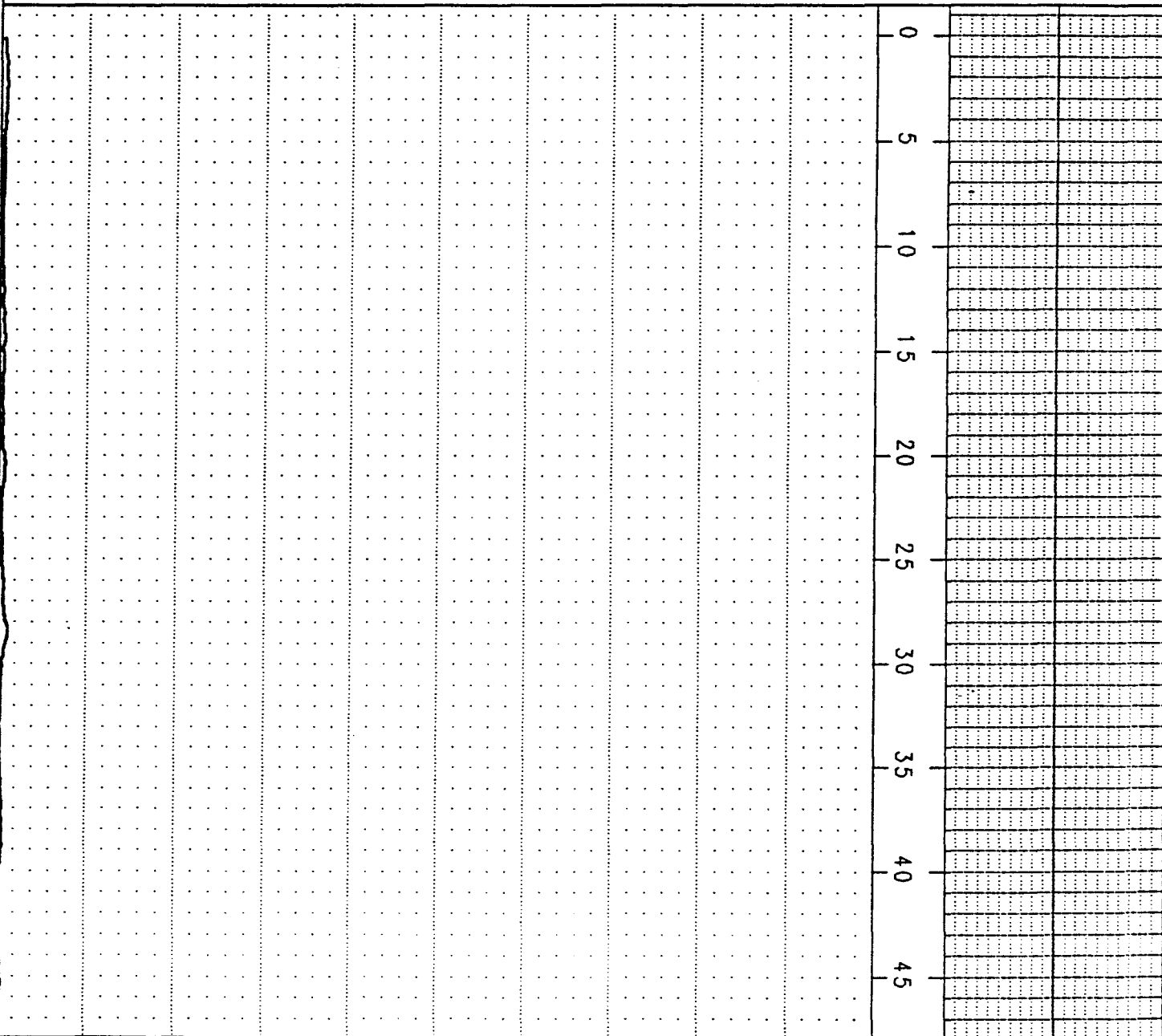
(C:\WESTLAKE\WL118.GB0)

COLOG

(C:\WESTLAKE\WL119.GB0)

COLOG

NGamma
CPM 0 600000



NGamma
CPM 0 600000

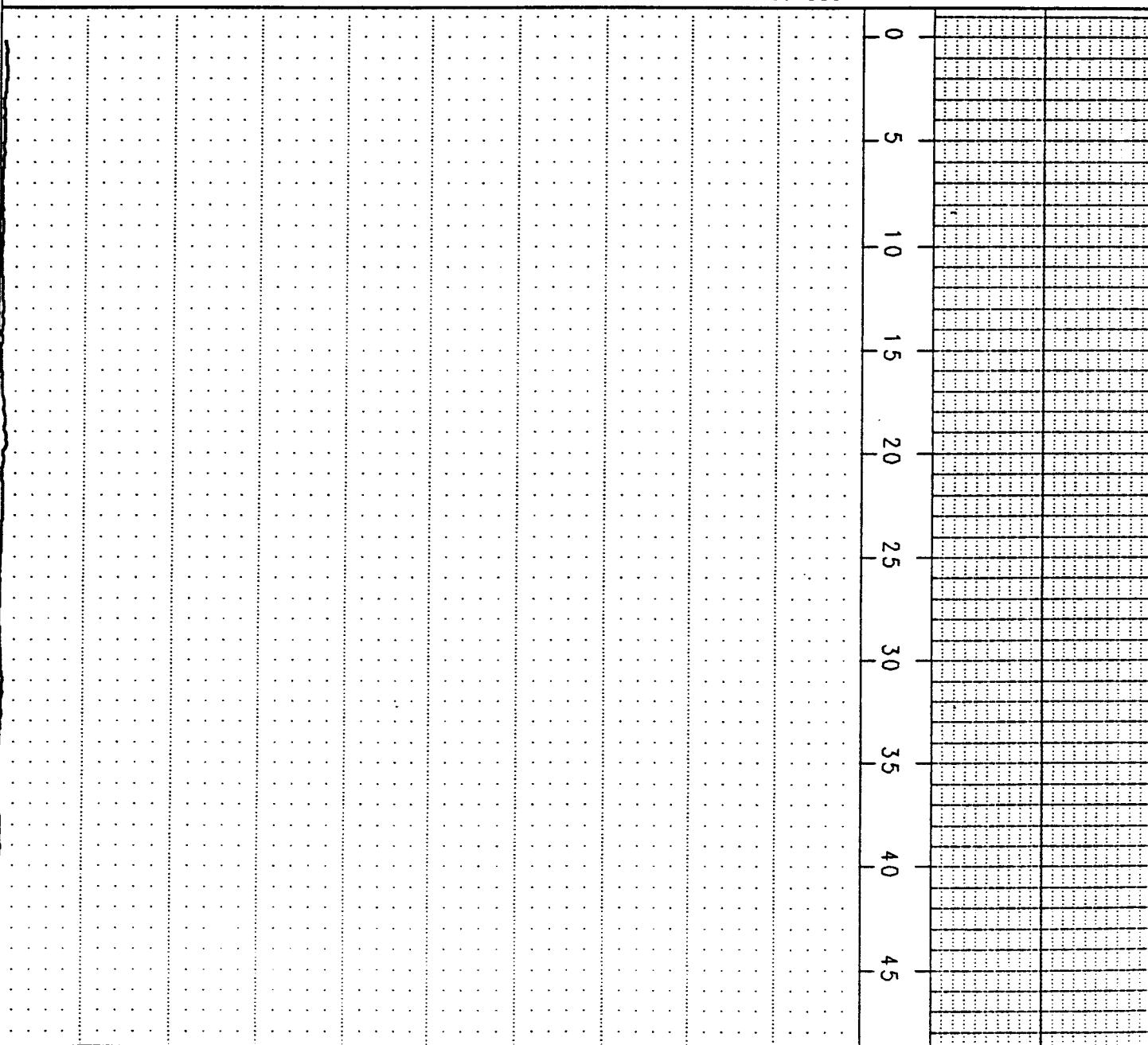
(C:\WESTLAKE\WL119.GB0)

COLOG

(C:\WESTLAKE\WL1 20.GB0)

COLOG

← 0 NGamma CPM 600000 →



← 0 NGamma CPM 600000 →

(C:\WESTLAKE\WL1 20.GB0)

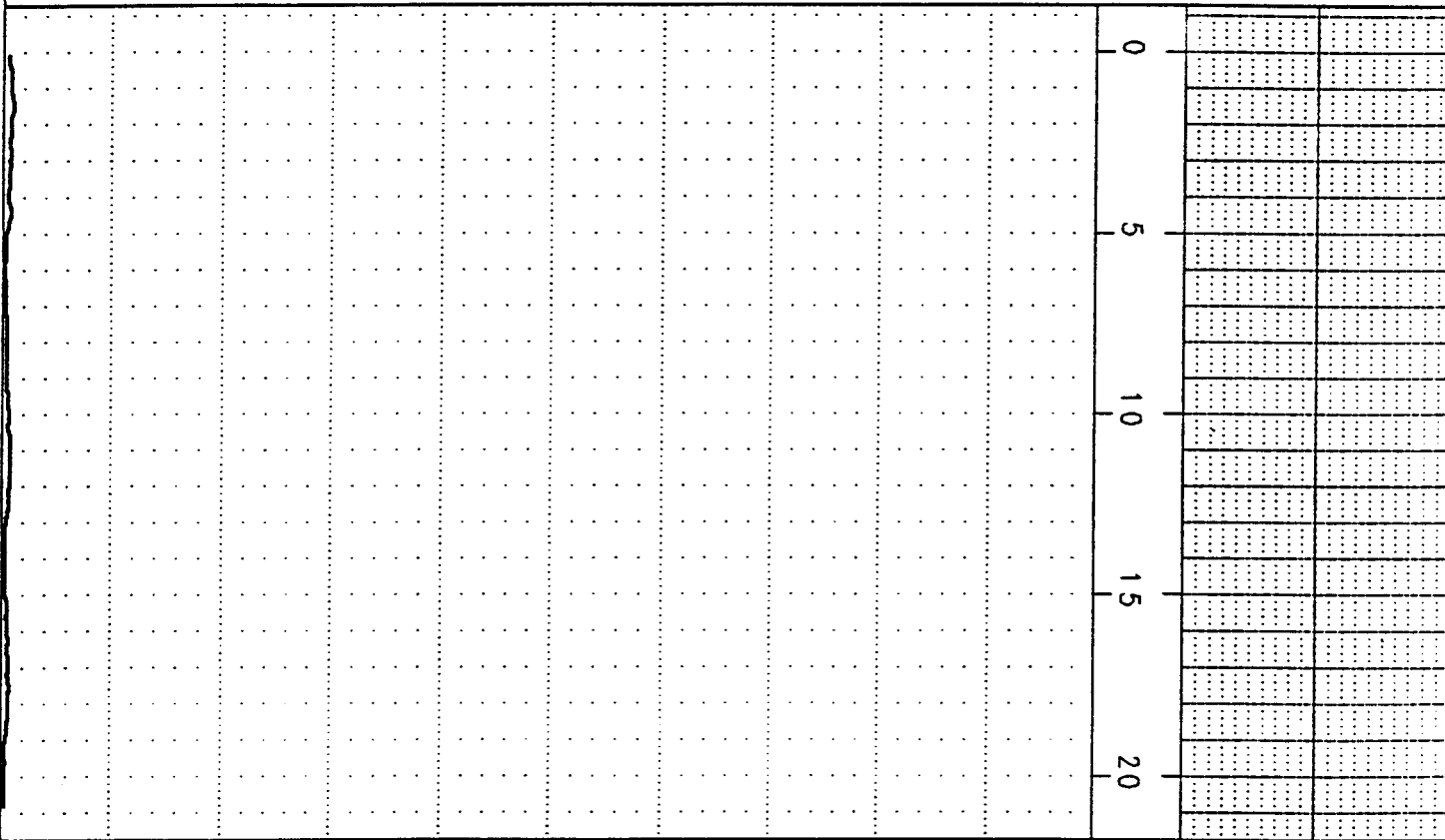
COLOG

**PVC Boring
Downhole Gamma Logs**

(C:\WESTLAKE\PVC24.GB0)

COLOG

← 0 NGamma CPM 600000 →



← 0 NGamma CPM 600000 →

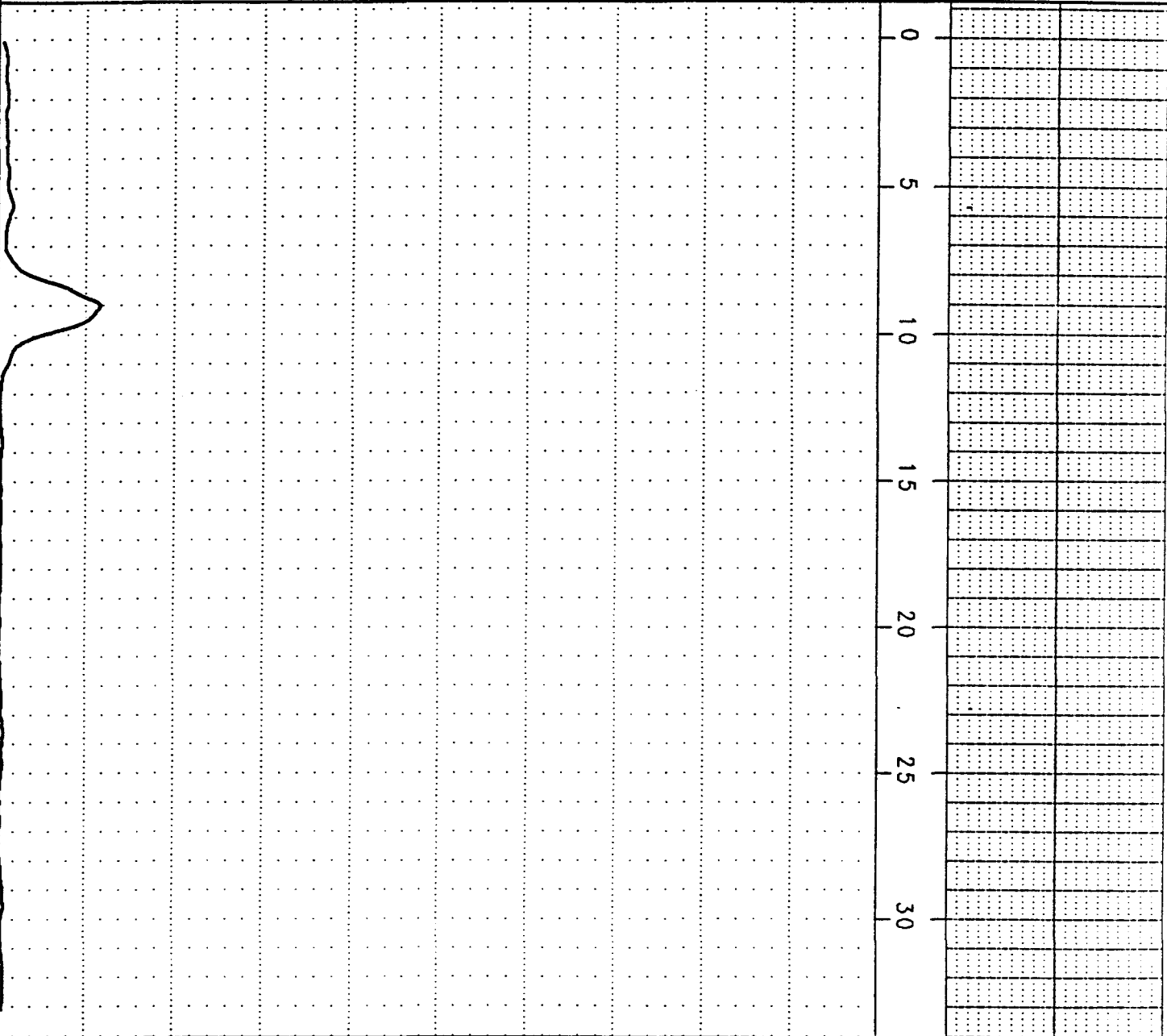
(C:\WESTLAKE\PVC24.GB0)

COLOG

(C:\WESTLAKE\PVC25.GB0)

COLOG

0 NGamma CPM 600000



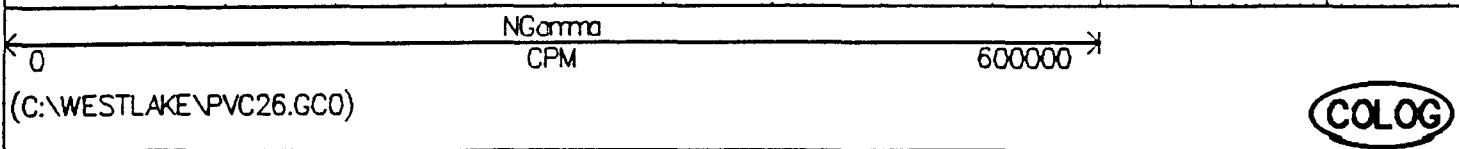
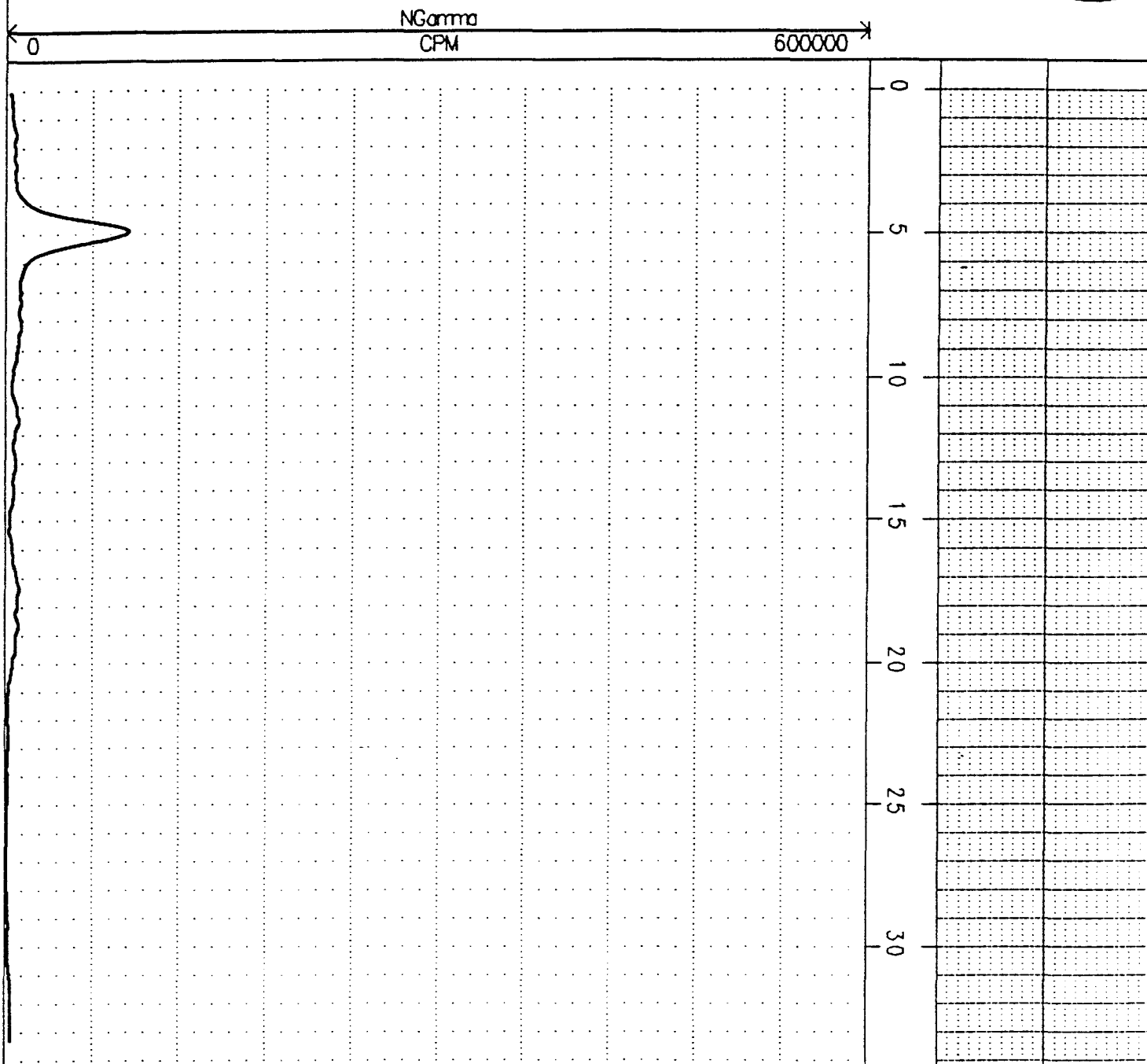
0 NGamma CPM 600000

(C:\WESTLAKE\PVC25.GB0)

COLOG

(C:\WESTLAKE\PVC26.GC0)

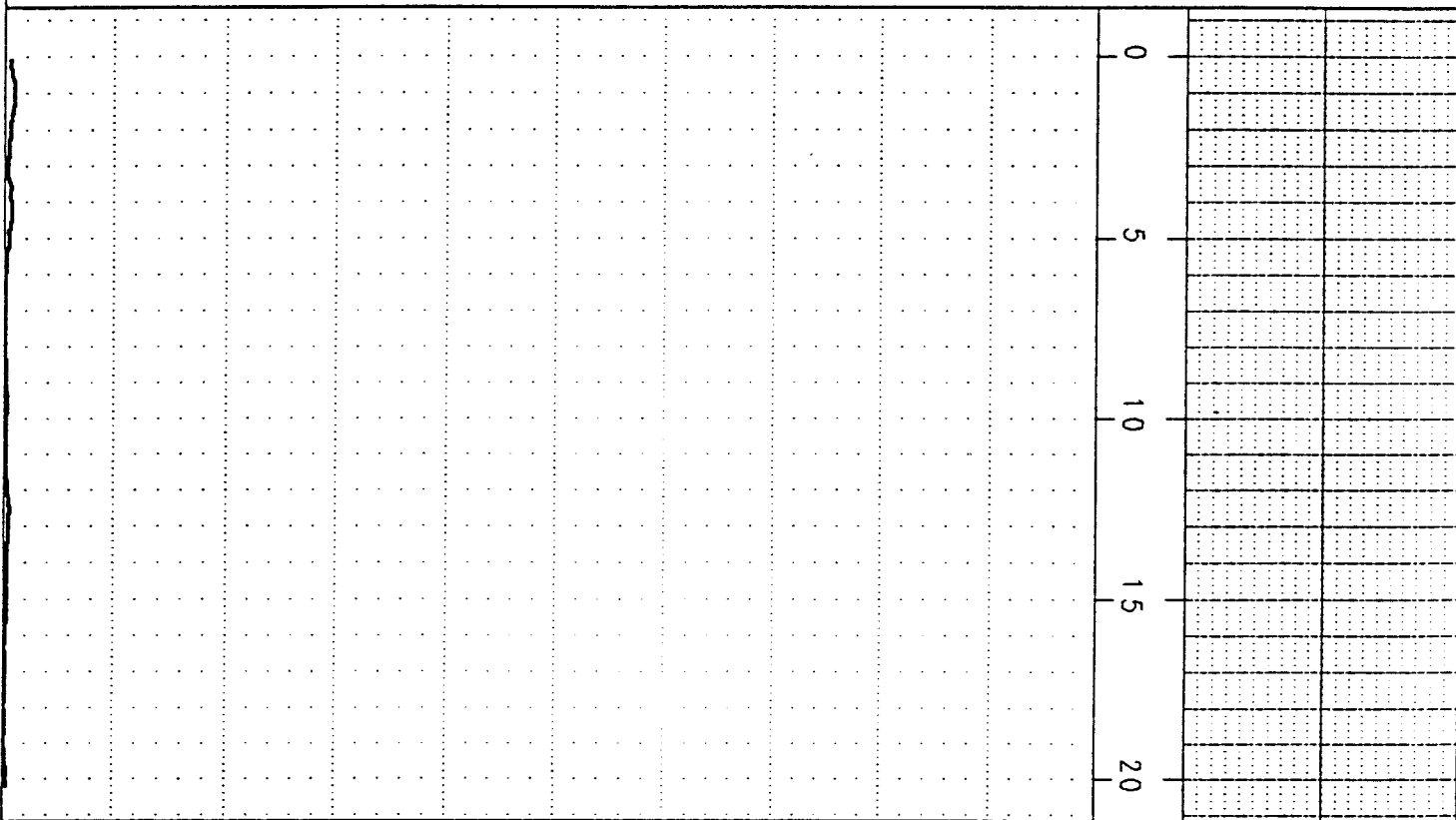
COLOG



(C:\WESTLAKE\PVC27.GB0)

COLOG

← 0 NGamma CPM 600000 →



← 0 NGamma CPM 600000 →

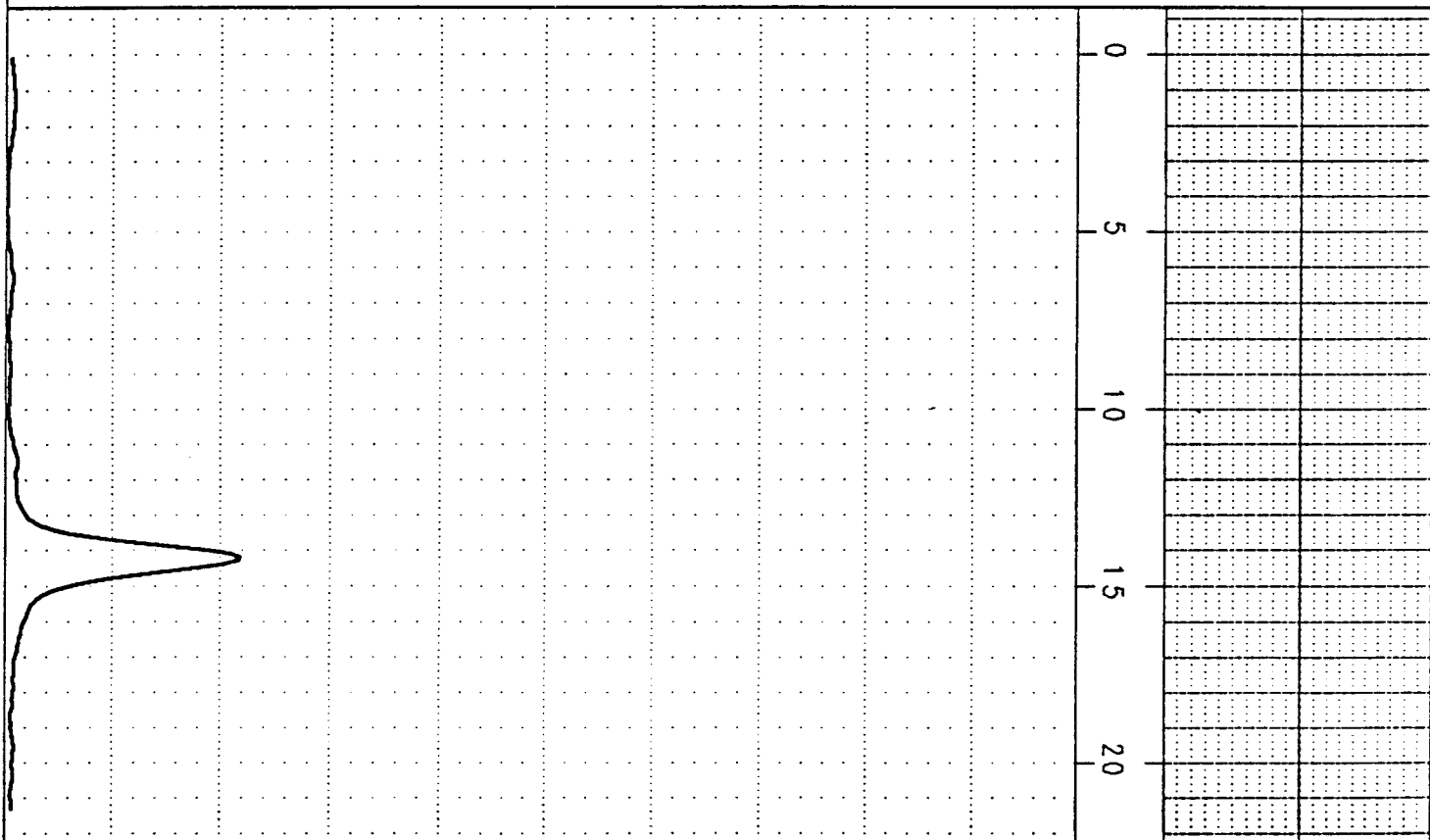
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COLOG

(C:\WESTLAKE\PVC28.GB0)

COLOG

← 0 NGamma CPM 600000 →



← 0 NGamma CPM 600000 →

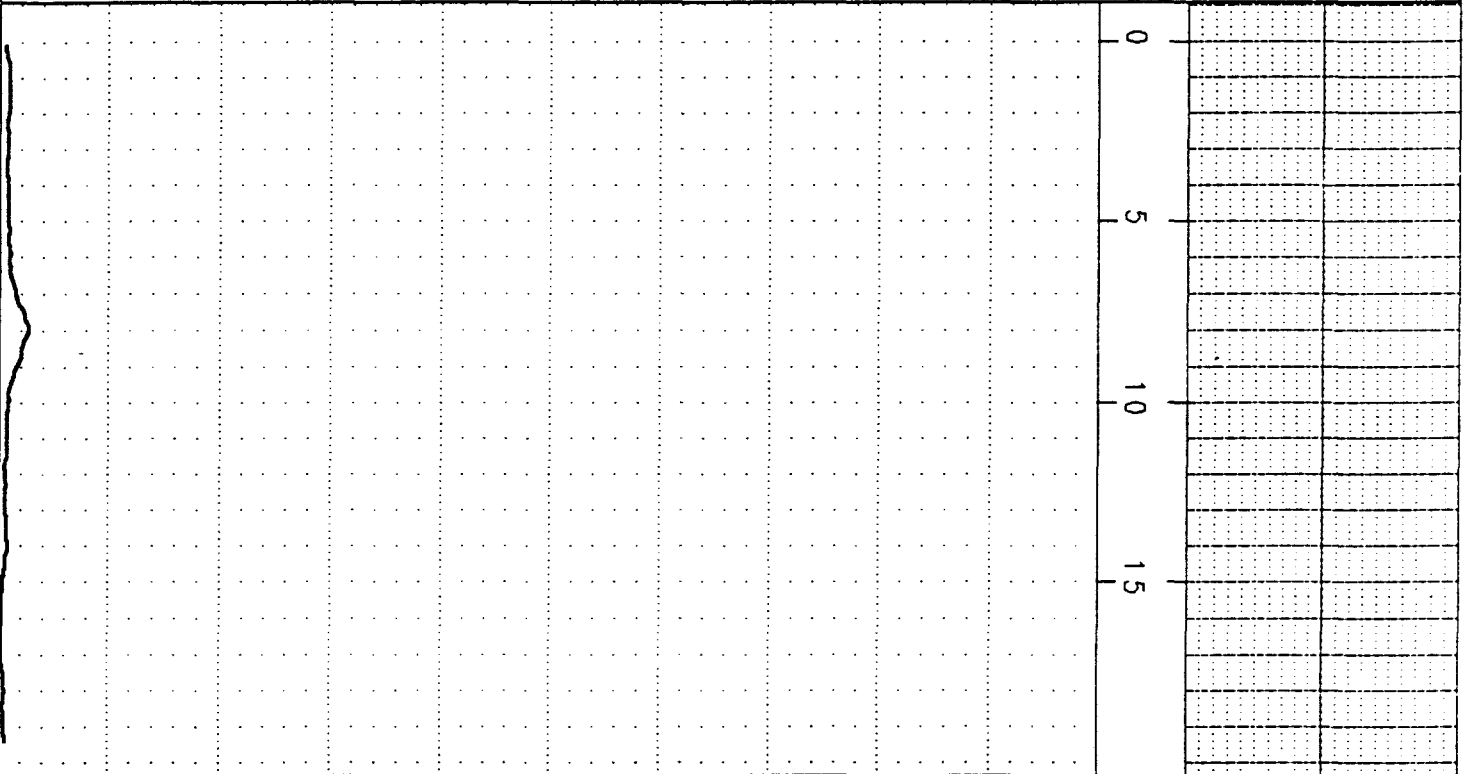
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COLOG

(C:\WESTLAKE\PVC36.GB0)

COLOG

NGamma
CPM 0 600000



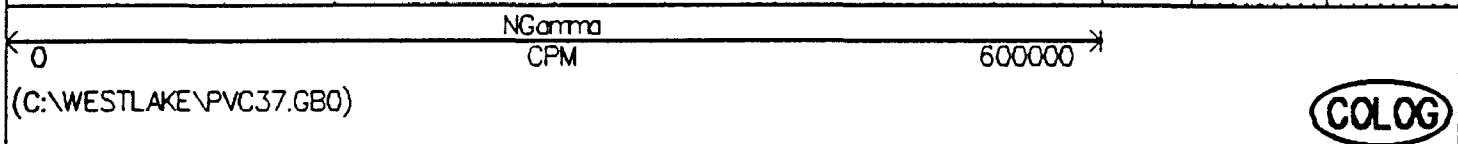
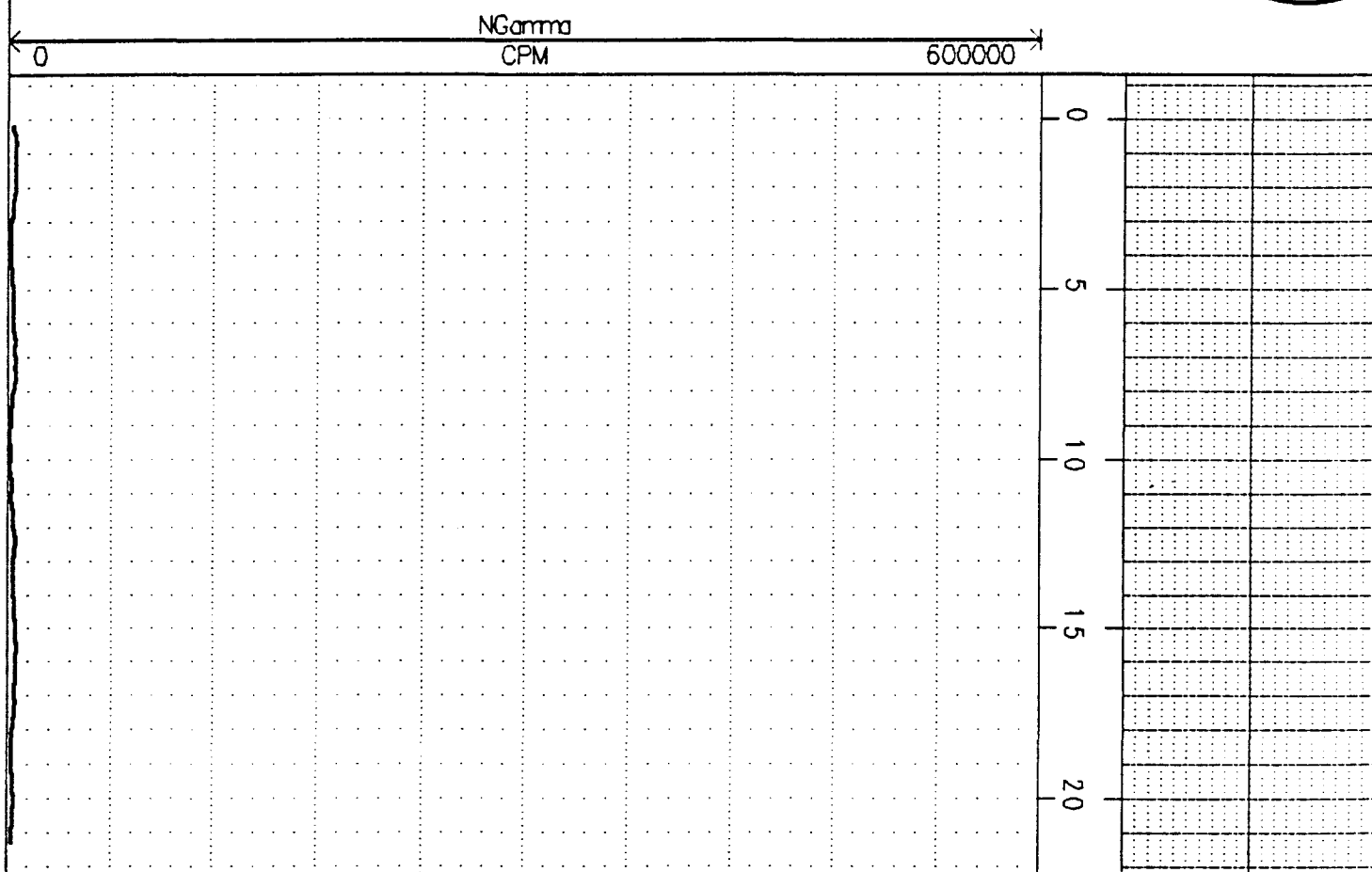
NGamma
CPM 0 600000

(C:\WESTLAKE\PVC36.GB0)

COLOG

(C:\WESTLAKE\PVC37.GB0)

COLOG

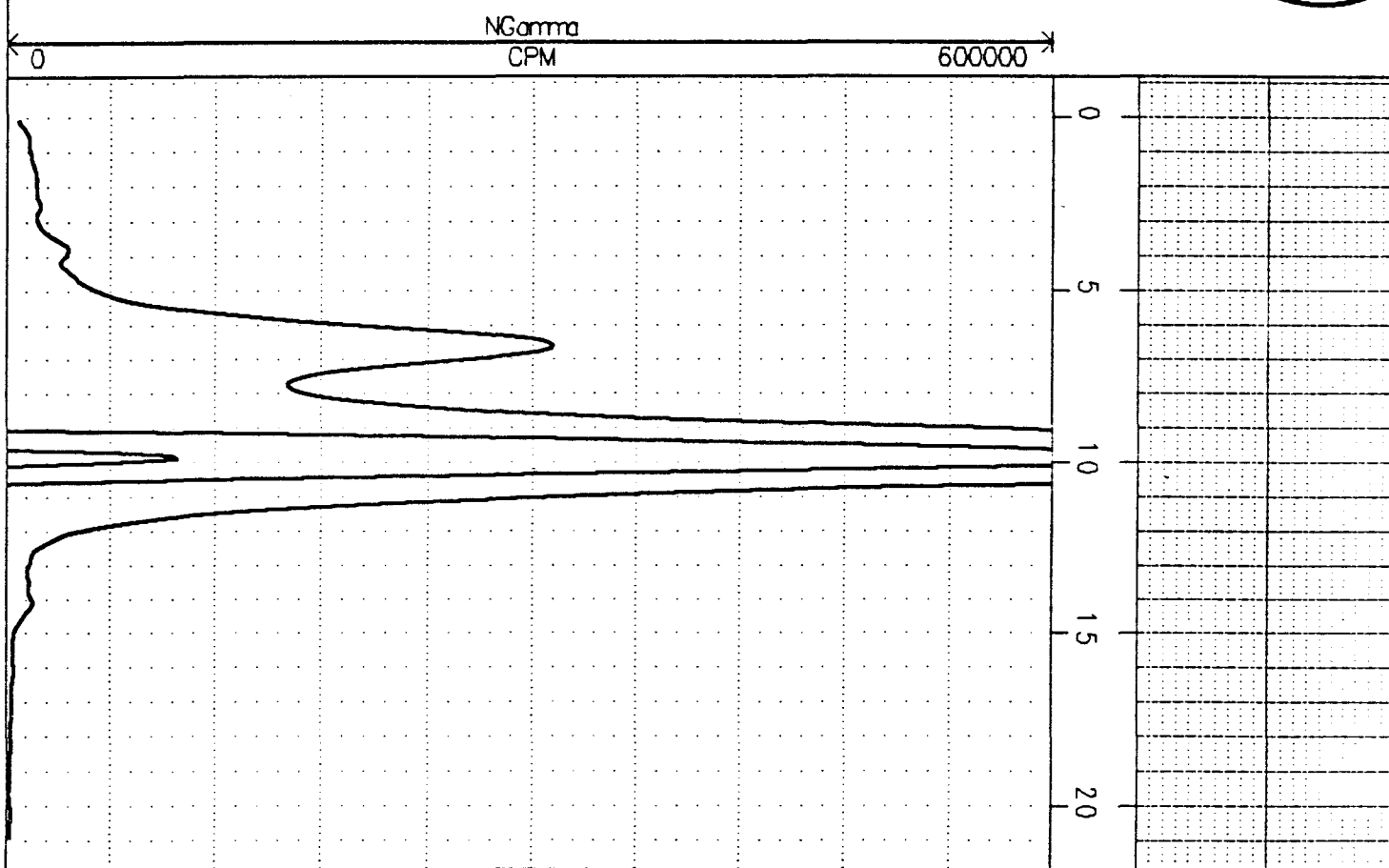


(C:\WESTLAKE\PVC37.GB0)

COLOG

(C:\WESTLAKE\PVC38.GB0)

COLOG

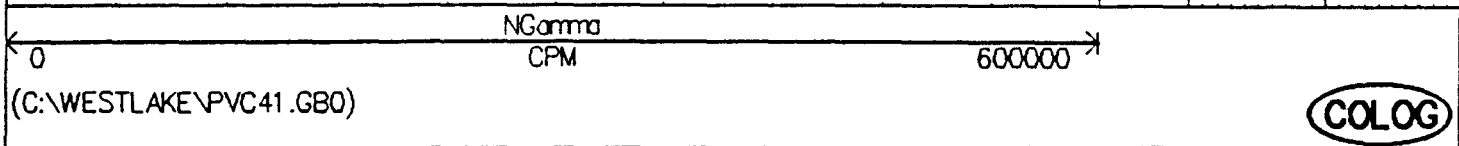
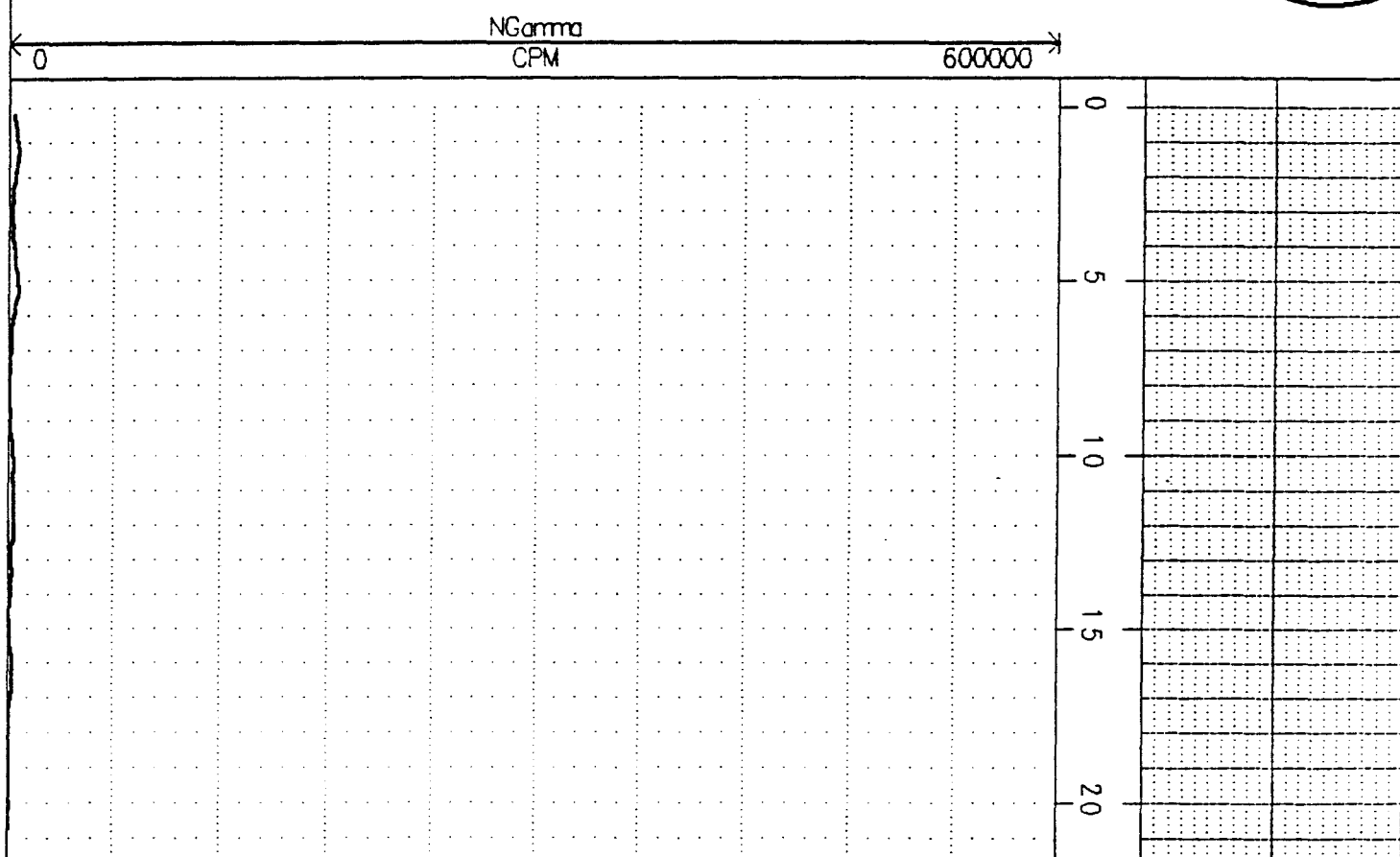


(C:\WESTLAKE\PVC38.GB0)

COLOG

(C:\WESTLAKE\PVC41.GB0)

COLOG



APPENDIX B

GAMMA CONE PENETRATION TEST DATA

Sub-Appendices

- B.1** – Field Data from ConeTec
- B.2** – Pore Water Dissipation Test Data from ConeTec
- B.3** – Eslami and Fellenius 2004 Illustration

Sub-Appendix B.1

Field Data from ConeTec

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221484
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-1-1A
Cone ID:	226:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-25-2013
CPT Time:	11:10
CPT File:	13-53075_GP1-1A.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722010.810
Northing / Lat:	4294235.202
Elevation:	143.436
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	24.900	24.904	0.140	0.720	0.562	90.600
2	0.100	0.328	29.400	29.401	0.225	0.150	0.765	87.800
3	0.150	0.492	26.410	26.406	0.276	-0.650	1.045	78.400
4	0.200	0.656	23.640	23.638	0.255	-0.280	1.079	98.800
5	0.250	0.820	20.760	20.757	0.187	-0.470	0.901	94.200
6	0.300	0.984	18.540	18.536	0.149	-0.640	0.804	87.000
7	0.350	1.148	17.810	17.809	0.169	-0.210	0.949	83.700
8	0.400	1.312	16.950	16.950	0.213	-0.030	1.257	106.600
9	0.450	1.476	16.210	16.210	0.161	-0.070	0.993	96.200
10	0.500	1.640	14.220	14.218	0.121	-0.380	0.851	106.800
11	0.550	1.804	13.910	13.909	0.123	-0.170	0.884	85.700
12	0.600	1.968	16.270	16.270	0.180	0.000	1.106	81.300
13	0.650	2.133	15.080	15.082	0.184	0.300	1.220	85.400
14	0.700	2.297	13.810	13.811	0.201	0.200	1.455	89.300
15	0.750	2.461	15.480	15.480	0.217	0.070	1.402	92.000
16	0.800	2.625	14.620	14.618	0.331	-0.250	2.264	83.100
17	0.850	2.789	16.030	16.029	0.456	-0.170	2.845	81.600
18	0.900	2.953	19.570	19.566	0.547	-0.610	2.796	90.500
19	0.950	3.117	26.780	26.747	0.642	-5.270	2.400	92.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	40.830	40.810	0.632	-3.130	1.549	86.900
21	1.050	3.445	40.650	40.643	0.572	-1.130	1.407	88.800
22	1.100	3.609	43.830	43.817	0.531	-2.090	1.212	83.500
23	1.150	3.773	38.210	38.192	0.608	-2.870	1.592	83.200
24	1.200	3.937	30.710	30.715	0.643	0.730	2.093	75.900
25	1.250	4.101	26.890	26.891	0.597	0.090	2.220	87.700
26	1.300	4.265	24.960	24.950	0.487	-1.670	1.952	76.100
27	1.350	4.429	19.600	19.582	0.357	-2.880	1.823	87.600
28	1.400	4.593	18.250	18.230	0.423	-3.230	2.320	70.300
29	1.450	4.757	24.870	24.854	0.336	-2.570	1.352	90.700
30	1.500	4.921	12.250	12.274	0.257	3.880	2.094	87.800
31	1.550	5.085	9.190	9.206	0.276	2.600	2.998	88.200
32	1.600	5.249	9.270	9.274	0.239	0.640	2.577	96.100
33	1.650	5.413	8.580	8.583	0.232	0.410	2.703	70.900
34	1.700	5.577	7.650	7.651	0.176	0.240	2.300	60.300
35	1.750	5.741	6.820	6.798	0.135	-3.600	1.986	52.300
36	1.800	5.905	11.260	11.255	0.077	-0.740	0.684	41.600
37	1.850	6.069	13.860	13.846	0.154	-2.170	1.112	34.200
38	1.900	6.234	30.120	30.121	0.203	0.170	0.674	24.700
39	1.950	6.398	33.090	33.120	0.287	4.840	0.867	25.900
40	2.000	6.562	20.200	20.226	0.315	4.090	1.557	29.700
41	2.050	6.726	20.770	20.775	0.327	0.820	1.574	17.900
42	2.100	6.890	38.260	38.277	0.139	2.790	0.363	21.700
43	2.150	7.054	61.050	61.107	0.283	9.110	0.463	24.000
44	2.200	7.218	38.480	38.490	0.235	1.590	0.611	23.100
45	2.250	7.382	58.540	58.612	0.215	11.510	0.367	23.100
46	2.300	7.546	73.210	73.240	0.253	4.830	0.345	25.500
47	2.350	7.710	76.950	77.167	0.478	34.780	0.619	30.200
48	2.400	7.874	70.200	70.472	0.377	43.590	0.535	35.000
49	2.450	8.038	109.390	109.399	0.014	1.390	0.013	46.500
50	2.500	8.202	115.660	115.917	0.013	41.230	0.011	60.100
51	2.550	8.366	47.550	47.684	0.011	21.430	0.023	63.200
52	2.600	8.530	43.790	43.829	0.062	6.260	0.141	48.100
53	2.650	8.694	60.600	60.679	0.355	12.660	0.585	43.500
54	2.700	8.858	68.230	68.310	0.450	12.800	0.659	30.100
55	2.750	9.022	84.680	84.738	0.295	9.220	0.348	23.400
56	2.800	9.186	79.180	79.267	0.153	13.930	0.193	27.100
57	2.850	9.350	73.810	73.941	0.014	21.040	0.019	19.500
58	2.900	9.514	55.750	55.811	0.011	9.820	0.020	18.100
59	2.950	9.678	50.640	50.689	0.014	7.920	0.028	21.500
60	3.000	9.842	42.670	42.743	0.013	11.670	0.030	25.800
61	3.050	10.006	42.830	42.876	0.011	7.330	0.026	13.500
62	3.100	10.170	44.190	44.233	0.042	6.830	0.095	23.000
63	3.150	10.335	28.890	28.931	0.012	6.600	0.041	15.900
64	3.200	10.499	42.800	42.851	0.012	8.110	0.028	17.400
65	3.250	10.663	39.570	39.620	0.015	8.010	0.038	14.900
66	3.300	10.827	39.130	39.161	0.014	4.960	0.036	18.800
67	3.350	10.991	38.380	38.452	0.022	11.460	0.057	19.200
68	3.400	11.155	37.420	37.462	0.086	6.750	0.230	25.600
69	3.450	11.319	49.950	49.971	0.189	3.340	0.378	25.000
70	3.500	11.483	60.430	60.471	0.101	6.510	0.167	25.600
71	3.550	11.647	63.130	63.198	0.151	10.860	0.239	28.200
72	3.600	11.811	88.790	88.856	0.298	10.570	0.335	29.700
73	3.650	11.975	80.500	80.563	0.161	10.080	0.200	33.800
74	3.700	12.139	66.090	66.130	0.014	6.380	0.021	47.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	52.340	52.407	0.170	10.700	0.324	64.700
76	3.800	12.467	66.790	66.883	0.135	14.870	0.202	76.200
77	3.850	12.631	87.790	87.904	0.087	18.240	0.099	84.100
78	3.900	12.795	78.220	78.347	0.101	20.290	0.129	82.700
79	3.950	12.959	68.740	68.844	0.021	16.600	0.031	79.400
80	4.000	13.123	59.670	59.761	0.070	14.520	0.117	73.500
81	4.050	13.287	53.630	53.694	0.011	10.280	0.020	54.500
82	4.100	13.451	50.210	50.256	0.062	7.320	0.123	49.800
83	4.150	13.615	68.290	68.338	0.015	7.680	0.022	38.700
84	4.200	13.779	53.390	53.471	0.015	13.000	0.028	25.600
85	4.250	13.943	53.230	53.295	0.014	10.360	0.026	20.200
86	4.300	14.107	48.780	48.838	0.198	9.220	0.405	20.800
87	4.350	14.271	64.610	64.633	0.668	3.660	1.034	20.300
88	4.400	14.436	109.800	109.847	0.872	7.540	0.794	12.400
89	4.450	14.600	237.980	238.036	1.243	8.910	0.522	18.200
90	4.500	14.764	152.890	152.983	1.748	14.910	1.143	13.400
91	4.550	14.928	66.140	66.226	1.866	13.740	2.818	15.800
92	4.600	15.092	41.800	41.819	1.341	2.990	3.207	17.200
93	4.650	15.256	32.280	32.302	0.710	3.500	2.198	14.900
94	4.700	15.420	17.850	17.897	0.824	7.460	4.604	24.900
95	4.750	15.584	23.110	23.109	0.867	-0.110	3.752	25.400
96	4.800	15.748	22.600	22.640	1.019	6.460	4.501	25.000
97	4.850	15.912	31.720	31.735	1.063	2.390	3.350	29.000
98	4.900	16.076	30.700	30.761	1.228	9.710	3.992	44.200
99	4.950	16.240	33.620	33.722	1.217	16.300	3.609	52.600
100	5.000	16.404	36.050	36.132	0.824	13.120	2.281	46.800
101	5.050	16.568	45.030	45.030	1.286	-0.040	2.856	41.400
102	5.100	16.732	77.760	77.765	1.278	0.840	1.643	39.600
103	5.150	16.896	25.470	25.521	1.584	8.180	6.207	38.800
104	5.200	17.060	42.420	42.520	1.163	15.970	2.735	51.700
105	5.250	17.224	30.240	30.274	1.100	5.400	3.634	48.800
106	5.300	17.388	24.200	24.276	1.059	12.140	4.362	63.900
107	5.350	17.552	22.340	22.563	0.745	35.760	3.302	65.500
108	5.400	17.716	22.190	22.251	0.519	9.770	2.332	60.300
109	5.450	17.880	22.550	22.543	0.564	-1.140	2.502	76.000
110	5.500	18.044	27.340	27.343	0.344	0.430	1.258	69.200
111	5.550	18.208	18.270	18.268	0.392	-0.350	2.146	69.100
112	5.600	18.372	14.090	14.117	0.527	4.380	3.733	67.300
113	5.650	18.537	29.870	29.887	0.480	2.770	1.606	84.800
114	5.700	18.701	26.760	26.811	0.576	8.210	2.148	93.800
115	5.750	18.865	44.420	44.488	0.571	10.850	1.283	96.200
116	5.800	19.029	52.590	52.635	0.543	7.210	1.032	88.200
117	5.850	19.193	49.460	49.499	0.573	6.310	1.158	95.600
118	5.900	19.357	40.940	40.977	0.540	5.950	1.318	97.600
119	5.950	19.521	32.540	32.556	0.663	2.630	2.036	78.300
120	6.000	19.685	27.270	27.266	0.717	-0.590	2.630	70.400
121	6.050	19.849	18.640	18.652	0.662	1.890	3.549	57.500
122	6.100	20.013	34.360	34.474	0.791	18.210	2.295	40.500
123	6.150	20.177	39.040	39.055	0.889	2.360	2.276	44.700
124	6.200	20.341	44.560	44.605	0.875	7.230	1.962	36.700
125	6.250	20.505	31.530	31.648	1.086	18.970	3.431	36.000
126	6.300	20.669	37.330	37.502	0.932	27.550	2.485	43.100
127	6.350	20.833	67.600	67.707	1.342	17.140	1.982	41.300
128	6.400	20.997	158.020	158.129	1.854	17.390	1.172	43.500
129	6.450	21.161	118.170	118.425	2.011	40.790	1.698	36.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	96.540	96.719	2.177	28.680	2.251	42.400
131	6.550	21.489	137.900	137.974	1.345	11.840	0.975	39.300
132	6.600	21.653	138.050	138.084	1.397	5.440	1.012	47.900
133	6.650	21.817	146.500	146.558	2.738	9.220	1.868	50.700
134	6.700	21.981	217.270	217.390	2.083	19.250	0.958	59.800
135	6.750	22.145	391.800	391.902	4.326	16.410	1.104	58.800
136	6.800	22.309	367.660	367.778	4.931	18.860	1.341	57.300
137	6.850	22.473	352.500	352.633	4.053	21.260	1.149	49.500
138	6.900	22.638	283.490	283.605	2.279	18.420	0.804	43.900
139	6.950	22.802	308.050	308.159	2.461	17.460	0.799	57.000
140	7.000	22.966	290.830	290.941	3.637	17.820	1.250	57.000
141	7.050	23.130	118.520	118.625	2.250	16.800	1.897	42.100
142	7.100	23.294	92.730	92.818	1.226	14.110	1.321	43.200
143	7.150	23.458	126.210	126.328	1.817	18.930	1.438	38.800
144	7.200	23.622	144.160	144.250	3.914	14.470	2.713	40.900
145	7.250	23.786	107.760	107.774	0.986	2.310	0.915	38.700
146	7.300	23.950	106.390	106.409	1.018	3.060	0.957	39.000
147	7.350	24.114	76.250	76.250	1.743	0.030	2.286	36.700
148	7.400	24.278	110.550	110.547	1.531	-0.530	1.385	30.500
149	7.450	24.442	154.140	154.142	1.089	0.340	0.706	29.400
150	7.500	24.606	109.340	109.340	1.881	-0.030	1.720	26.700
151	7.550	24.770	100.630	100.633	1.414	0.470	1.405	23.400
152	7.600	24.934	106.710	106.712	1.346	0.300	1.261	21.600
153	7.650	25.098	111.580	111.597	0.853	2.750	0.764	20.500
154	7.700	25.262	48.170	48.177	0.756	1.050	1.569	20.500
155	7.750	25.426	61.830	61.852	1.131	3.570	1.829	19.000
156	7.800	25.590	80.800	80.808	1.359	1.360	1.682	21.900
157	7.850	25.754	40.760	40.765	5.266	0.810	12.918	11.900
158	7.900	25.918	45.530	45.531	5.257	0.100	11.546	17.300
159	7.950	26.082	118.090	118.089	3.572	-0.200	3.025	15.700
160	8.000	26.246	118.220	118.218	5.031	-0.300	4.256	16.900
161	8.050	26.410	191.880	191.876	3.370	-0.590	1.756	19.600
162	8.100	26.574	169.910	169.907	3.618	-0.500	2.129	21.000
163	8.150	26.739	104.900	104.899	1.994	-0.210	1.901	16.300
164	8.200	26.903	71.450	71.444	1.305	-0.920	1.827	19.300
165	8.250	27.067	87.880	87.877	1.562	-0.470	1.777	18.800
166	8.300	27.231	120.480	120.470	1.881	-1.530	1.561	16.100
167	8.350	27.395	253.220	253.218	4.487	-0.350	1.772	17.000
168	8.400	27.559	264.380	264.377	4.872	-0.530	1.843	18.200
169	8.450	27.723	188.970	188.966	4.390	-0.610	2.323	21.700
170	8.500	27.887	76.740	76.737	2.997	-0.510	3.906	26.300
171	8.550	28.051	29.630	29.630	0.877	-0.030	2.960	22.800
172	8.600	28.215	21.690	21.669	0.329	-3.340	1.518	29.200
173	8.650	28.379	20.350	20.366	0.191	2.590	0.938	24.800
174	8.700	28.543	26.310	26.351	0.111	6.540	0.421	30.600
175	8.750	28.707	56.880	56.909	0.237	4.680	0.416	24.700
176	8.800	28.871	58.480	58.497	0.514	2.650	0.879	26.900
177	8.850	29.035	56.640	56.653	0.353	2.080	0.623	19.100
178	8.900	29.199	56.000	56.002	0.875	0.340	1.562	25.400
179	8.950	29.363	53.560	53.579	1.174	3.020	2.191	20.700
180	9.000	29.527	55.990	56.017	1.111	4.330	1.983	17.100
181	9.050	29.691	52.090	52.124	1.466	5.420	2.813	27.500
182	9.100	29.855	52.790	52.833	1.469	6.900	2.780	26.600
183	9.150	30.019	37.560	37.634	1.862	11.790	4.948	28.500
184	9.200	30.183	27.000	27.083	1.535	13.260	5.668	37.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	35.500	35.579	0.885	12.710	2.487	50.700
186	9.300	30.511	176.270	176.327	2.138	9.140	1.213	57.300
187	9.350	30.675	147.560	147.599	2.433	6.320	1.648	50.500
188	9.400	30.840	129.830	129.863	2.438	5.330	1.877	61.300
189	9.450	31.004	114.120	114.159	3.103	6.190	2.718	54.500
190	9.500	31.168	102.630	102.657	1.892	4.310	1.843	66.400
191	9.550	31.332	76.780	76.807	2.192	4.280	2.854	70.600
192	9.600	31.496	64.190	64.213	2.031	3.710	3.163	84.800
193	9.650	31.660	31.430	31.461	1.531	4.920	4.866	96.200
194	9.700	31.824	25.110	25.160	1.054	7.990	4.189	100.600
195	9.750	31.988	25.140	25.209	0.863	10.990	3.423	109.000
196	9.800	32.152	27.220	27.305	1.049	13.550	3.842	114.900
197	9.850	32.316	27.320	27.410	1.243	14.350	4.535	109.400
198	9.900	32.480	27.200	27.291	1.410	14.640	5.166	124.400
199	9.950	32.644	26.590	26.681	1.439	14.560	5.393	104.600
200	10.000	32.808	25.720	25.814	1.402	15.090	5.431	122.700
201	10.050	32.972	24.980	25.074	1.369	15.070	5.460	103.700
202	10.100	33.136	24.960	25.053	1.329	14.920	5.305	112.000
203	10.150	33.300	25.320	25.414	1.369	15.030	5.387	105.400
204	10.200	33.464	25.890	25.983	1.360	14.960	5.234	110.800
205	10.250	33.628	26.770	26.860	1.377	14.390	5.127	102.700
206	10.300	33.792	26.870	26.960	1.242	14.370	4.607	105.300
207	10.350	33.956	25.820	25.906	1.052	13.840	4.061	104.400
208	10.400	34.120	25.810	25.897	0.869	13.890	3.356	98.800
209	10.450	34.284	23.790	23.877	0.812	13.930	3.401	99.700
210	10.500	34.448	24.770	24.862	0.800	14.720	3.218	104.000
211	10.550	34.612	27.120	27.213	0.772	14.860	2.837	90.400
212	10.600	34.776	32.360	32.456	0.772	15.350	2.379	94.100
213	10.650	34.941	38.900	38.985	0.857	13.650	2.198	101.100
214	10.700	35.105	44.620	44.698	0.757	12.470	1.694	97.800
215	10.750	35.269	56.000	56.075	0.791	11.940	1.411	96.100
216	10.800	35.433	72.060	72.130	1.009	11.280	1.399	91.200
217	10.850	35.597	109.080	109.153	1.070	11.650	0.980	85.200
218	10.900	35.761	184.840	184.923	1.271	13.360	0.687	74.400
219	10.950	35.925	213.640	213.718	1.556	12.570	0.728	68.200
220	11.000	36.089	212.450	212.522	1.820	11.530	0.856	71.100
221	11.050	36.253	216.170	216.239	2.171	11.020	1.004	70.800
222	11.100	36.417	225.000	225.068	2.231	10.820	0.991	64.000
223	11.150	36.581	228.160	228.226	2.658	10.540	1.165	59.200
224	11.200	36.745	209.790	209.857	2.702	10.760	1.288	61.900
225	11.250	36.909	184.250	184.308	2.664	9.310	1.445	60.500
226	11.300	37.073	165.530	165.585	2.367	8.790	1.429	61.500
227	11.350	37.237	125.250	125.298	1.890	7.720	1.508	0.000
228	11.400	37.401	102.540	102.585	1.435	7.220	1.399	0.000
229	11.450	37.565	92.390	92.435	1.118	7.150	1.210	0.000
230	11.500	37.729	93.750	93.795	1.160	7.150	1.237	0.000
231	11.550	37.893	101.740	101.785	1.065	7.210	1.046	0.000
232	11.600	38.057	95.710	95.755	1.130	7.270	1.180	0.000
233	11.650	38.221	121.340	121.389	1.117	7.830	0.920	0.000
234	11.700	38.385	121.770	121.818	0.973	7.710	0.799	0.000
235	11.750	38.549	112.110	112.155	0.921	7.240	0.821	0.000
236	11.800	38.713	130.700	130.747	0.900	7.510	0.688	0.000
237	11.850	38.877	157.800	157.849	1.147	7.850	0.727	0.000
238	11.900	39.042	188.210	188.264	1.653	8.610	0.878	0.000
239	11.950	39.206	245.540	245.602	1.832	9.930	0.746	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	284.160	284.228	2.317	10.970	0.815	0.000
241	12.050	39.534	260.060	260.125	0.000	10.370	0.000	0.000
242	12.100	39.698	294.890	294.957	0.000	10.780	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221469
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-1-1
Cone ID:	226:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-25-2013
CPT Time:	09:56
CPT File:	13-53075_GP1-1.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722008.887
Northing / Lat:	4294237.064
Elevation:	143.452
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	1.450	1.455	0.004	0.780	0.275	87.600
2	0.100	0.328	5.930	5.964	0.003	5.410	0.050	84.900
3	0.150	0.492	16.380	16.429	0.043	7.890	0.262	91.600
4	0.200	0.656	19.770	19.809	0.080	6.310	0.404	92.600
5	0.250	0.820	18.220	18.237	0.099	2.800	0.543	93.100
6	0.300	0.984	16.510	16.523	0.149	2.090	0.902	98.100
7	0.350	1.148	17.970	17.984	0.191	2.320	1.062	104.300
8	0.400	1.312	18.040	18.053	0.165	2.120	0.914	92.500
9	0.450	1.476	15.290	15.301	0.131	1.710	0.856	91.200
10	0.500	1.640	18.100	18.109	0.088	1.460	0.486	77.400
11	0.550	1.804	18.360	18.367	0.050	1.090	0.272	91.900
12	0.600	1.968	16.950	16.955	0.057	0.770	0.336	88.300
13	0.650	2.133	14.340	14.354	0.115	2.270	0.801	84.400
14	0.700	2.297	14.620	14.628	0.102	1.210	0.697	93.400
15	0.750	2.461	13.290	13.313	0.162	3.720	1.217	93.100
16	0.800	2.625	8.370	8.379	0.230	1.440	2.745	96.300
17	0.850	2.789	9.170	9.140	0.098	-4.730	1.072	84.800
18	0.900	2.953	13.350	13.354	0.074	0.650	0.554	82.400
19	0.950	3.117	15.930	15.960	0.142	4.730	0.890	81.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	11.250	11.270	0.234	3.150	2.076	80.300
21	1.050	3.445	12.980	13.011	0.387	4.960	2.974	70.700
22	1.100	3.609	24.530	24.548	0.617	2.960	2.513	75.600
23	1.150	3.773	27.300	27.286	0.625	-2.230	2.291	83.300
24	1.200	3.937	38.200	38.225	0.614	4.070	1.606	88.900
25	1.250	4.101	44.800	44.785	0.597	-2.470	1.333	98.500
26	1.300	4.265	47.770	47.757	0.556	-2.010	1.164	98.100
27	1.350	4.429	45.370	45.364	0.568	-1.020	1.252	87.800
28	1.400	4.593	44.340	44.338	0.618	-0.350	1.394	93.700
29	1.450	4.757	42.340	42.339	0.685	-0.090	1.618	84.600
30	1.500	4.921	30.880	30.879	0.734	-0.170	2.377	88.400
31	1.550	5.085	25.800	25.798	0.728	-0.370	2.822	80.200
32	1.600	5.249	23.600	23.587	0.665	-2.130	2.819	85.600
33	1.650	5.413	18.950	18.931	0.477	-3.110	2.520	78.100
34	1.700	5.577	13.070	13.031	0.265	-6.180	2.034	72.400
35	1.750	5.741	6.230	6.203	0.117	-4.400	1.886	77.800
36	1.800	5.905	3.150	3.134	0.039	-2.500	1.244	63.100
37	1.850	6.069	2.530	2.534	0.069	0.600	2.723	72.400
38	1.900	6.234	5.250	5.248	0.121	-0.270	2.306	71.000
39	1.950	6.398	10.530	10.546	0.210	2.510	1.991	78.200
40	2.000	6.562	11.550	11.553	0.278	0.470	2.406	71.100
41	2.050	6.726	11.500	11.461	0.349	-6.290	3.045	71.500
42	2.100	6.890	10.620	10.573	0.298	-7.510	2.818	58.900
43	2.150	7.054	14.300	14.248	0.328	-8.300	2.302	39.700
44	2.200	7.218	26.900	26.861	0.347	-6.170	1.292	31.300
45	2.250	7.382	12.190	12.194	0.391	0.570	3.207	28.500
46	2.300	7.546	11.200	11.202	0.377	0.300	3.366	32.400
47	2.350	7.710	10.380	10.400	0.463	3.260	4.452	30.000
48	2.400	7.874	22.930	22.930	0.464	-0.070	2.024	28.800
49	2.450	8.038	14.820	14.847	0.484	4.350	3.260	26.500
50	2.500	8.202	16.370	16.337	0.345	-5.250	2.112	32.200
51	2.550	8.366	12.780	12.850	0.271	11.160	2.109	33.200
52	2.600	8.530	7.110	7.142	0.193	5.050	2.703	35.900
53	2.650	8.694	8.760	8.892	0.128	21.170	1.439	44.200
54	2.700	8.858	7.330	7.340	0.134	1.640	1.826	59.200
55	2.750	9.022	5.610	5.646	0.130	5.740	2.303	69.700
56	2.800	9.186	3.370	3.438	0.184	10.840	5.352	65.200
57	2.850	9.350	9.610	9.686	0.192	12.140	1.982	70.000
58	2.900	9.514	17.420	17.424	0.296	0.670	1.699	80.500
59	2.950	9.678	11.680	11.638	0.454	-6.800	3.901	59.900
60	3.000	9.842	9.320	9.295	0.335	-3.930	3.604	48.000
61	3.050	10.006	25.310	25.278	0.436	-5.140	1.725	30.600
62	3.100	10.170	18.270	18.264	0.739	-0.920	4.046	35.900
63	3.150	10.335	10.440	10.470	0.464	4.840	4.432	22.300
64	3.200	10.499	53.050	53.096	0.705	7.320	1.328	23.600
65	3.250	10.663	18.300	18.190	0.580	-17.560	3.188	17.600
66	3.300	10.827	15.740	15.782	0.758	6.720	4.803	17.300
67	3.350	10.991	6.880	6.917	0.326	5.920	4.713	11.400
68	3.400	11.155	10.170	10.070	0.183	-16.040	1.817	15.700
69	3.450	11.319	7.420	7.451	0.209	4.940	2.805	21.300
70	3.500	11.483	18.920	18.948	0.370	4.480	1.953	19.200
71	3.550	11.647	12.400	12.436	0.406	5.830	3.265	20.100
72	3.600	11.811	14.470	14.504	0.401	5.460	2.765	24.100
73	3.650	11.975	10.880	10.918	0.313	6.140	2.867	22.700
74	3.700	12.139	9.970	10.013	0.303	6.890	3.026	19.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	19.270	19.267	0.238	-0.550	1.235	25.400
76	3.800	12.467	20.920	20.923	0.204	0.510	0.975	25.100
77	3.850	12.631	12.140	12.133	0.292	-1.140	2.407	26.200
78	3.900	12.795	24.510	24.525	0.272	2.400	1.109	31.000
79	3.950	12.959	25.870	25.907	0.234	5.920	0.903	37.500
80	4.000	13.123	17.140	17.174	0.326	5.390	1.898	51.900
81	4.050	13.287	16.720	16.642	0.235	-12.420	1.412	62.400
82	4.100	13.451	17.470	17.596	0.330	20.180	1.875	77.400
83	4.150	13.615	18.890	18.942	0.378	8.250	1.996	82.200
84	4.200	13.779	25.710	25.792	0.453	13.120	1.756	70.000
85	4.250	13.943	27.390	27.397	0.784	1.070	2.862	58.200
86	4.300	14.107	26.410	26.399	0.685	-1.750	2.595	55.000
87	4.350	14.271	33.360	33.265	0.692	-15.290	2.080	48.700
88	4.400	14.436	46.340	46.330	0.647	-1.600	1.397	38.600
89	4.450	14.600	31.490	31.495	0.897	0.860	2.848	29.100
90	4.500	14.764	35.650	35.663	0.685	2.110	1.921	23.500
91	4.550	14.928	33.920	33.932	0.414	1.880	1.220	21.100
92	4.600	15.092	18.990	19.003	0.585	2.110	3.078	18.800
93	4.650	15.256	23.400	23.448	0.450	7.610	1.919	17.600
94	4.700	15.420	9.980	9.994	0.438	2.320	4.382	29.100
95	4.750	15.584	9.370	9.371	0.159	0.090	1.697	34.500
96	4.800	15.748	22.100	22.103	0.188	0.500	0.851	24.700
97	4.850	15.912	89.820	89.870	1.001	7.960	1.114	21.300
98	4.900	16.076	71.530	71.581	1.179	8.220	1.647	21.100
99	4.950	16.240	21.220	21.229	1.165	1.370	5.488	26.200
100	5.000	16.404	17.050	17.053	0.332	0.450	1.947	19.300
101	5.050	16.568	18.040	18.061	0.307	3.290	1.700	19.400
102	5.100	16.732	35.060	35.069	0.176	1.380	0.502	24.800
103	5.150	16.896	74.360	74.368	0.839	1.220	1.128	21.200
104	5.200	17.060	82.440	82.502	1.548	9.880	1.876	35.700
105	5.250	17.224	62.660	62.830	1.215	27.180	1.934	32.600
106	5.300	17.388	61.410	61.975	0.874	90.560	1.410	39.300
107	5.350	17.552	22.680	22.716	0.673	5.720	2.963	56.300
108	5.400	17.716	21.770	21.834	0.499	10.230	2.285	60.000
109	5.450	17.880	15.680	15.802	0.531	19.580	3.360	68.200
110	5.500	18.044	24.090	24.443	0.444	56.600	1.816	46.100
111	5.550	18.208	33.340	33.404	0.275	10.270	0.823	56.300
112	5.600	18.372	28.000	27.993	0.255	-1.200	0.911	50.000
113	5.650	18.537	22.830	22.834	0.166	0.620	0.727	40.500
114	5.700	18.701	21.200	21.206	0.138	0.980	0.651	36.100
115	5.750	18.865	21.650	21.658	0.103	1.210	0.476	35.800
116	5.800	19.029	17.920	17.922	0.131	0.280	0.731	34.200
117	5.850	19.193	32.560	32.591	0.312	5.000	0.957	42.800
118	5.900	19.357	57.730	57.812	0.485	13.210	0.839	45.400
119	5.950	19.521	82.780	82.781	0.862	0.200	1.041	43.700
120	6.000	19.685	44.250	44.278	0.962	4.460	2.173	0.000
121	6.050	19.849	25.030	25.297	0.952	42.720	3.763	0.000
122	6.100	20.013	20.710	20.790	0.547	12.800	2.631	0.000
123	6.150	20.177	17.460	17.553	0.481	14.860	2.740	0.000
124	6.200	20.341	18.910	18.952	0.416	6.740	2.195	0.000
125	6.250	20.505	20.020	20.100	0.408	12.740	2.030	0.000
126	6.300	20.669	19.890	19.955	0.354	10.440	1.774	0.000
127	6.350	20.833	22.110	22.220	0.248	17.570	1.116	0.000
128	6.400	20.997	21.640	21.634	0.591	-0.910	2.732	0.000
129	6.450	21.161	46.180	46.178	0.706	-0.260	1.529	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	31.680	31.697	0.959	2.790	3.025	0.000
131	6.550	21.489	38.430	38.453	0.622	3.680	1.618	0.000
132	6.600	21.653	30.930	30.955	1.413	4.070	4.565	0.000
133	6.650	21.817	61.760	61.780	1.303	3.180	2.109	0.000
134	6.700	21.981	365.880	365.927	0.000	7.570	0.000	0.000
135	6.750	22.145	421.800	421.845	0.000	7.200	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221486
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-1-2
Cone ID:	226:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-25-2013
CPT Time:	09:55
CPT File:	13-53075_GP1-2.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722021.958
Northing / Lat:	4294222.480
Elevation:	143.666
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	7.780	7.796	0.059	2.620	0.757	77.200
2	0.100	0.328	12.430	12.443	0.091	2.060	0.731	90.600
3	0.150	0.492	13.520	13.531	0.126	1.740	0.931	100.500
4	0.200	0.656	14.410	14.417	0.149	1.190	1.033	108.100
5	0.250	0.820	14.480	14.496	0.219	2.520	1.511	91.700
6	0.300	0.984	13.540	13.549	0.272	1.500	2.007	97.300
7	0.350	1.148	17.450	17.462	0.232	1.980	1.329	102.300
8	0.400	1.312	12.760	12.777	0.150	2.710	1.174	95.700
9	0.450	1.476	13.710	13.716	0.174	0.980	1.269	108.500
10	0.500	1.640	12.930	12.936	0.160	0.900	1.237	105.400
11	0.550	1.804	9.450	9.461	0.178	1.810	1.881	99.700
12	0.600	1.968	8.890	8.897	0.168	1.080	1.888	96.900
13	0.650	2.133	8.810	8.825	0.251	2.400	2.844	77.000
14	0.700	2.297	10.360	10.374	0.390	2.310	3.759	82.800
15	0.750	2.461	17.630	17.649	0.499	3.050	2.827	85.500
16	0.800	2.625	29.570	29.598	0.647	4.540	2.186	97.000
17	0.850	2.789	33.910	33.942	0.676	5.130	1.992	93.300
18	0.900	2.953	31.380	31.396	0.615	2.590	1.959	90.000
19	0.950	3.117	25.100	25.114	0.489	2.310	1.947	85.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	22.050	22.061	0.448	1.740	2.031	79.000
21	1.050	3.445	21.710	21.724	0.434	2.260	1.998	88.400
22	1.100	3.609	23.840	23.860	0.436	3.190	1.827	91.800
23	1.150	3.773	27.850	27.871	0.393	3.370	1.410	81.700
24	1.200	3.937	29.050	29.058	0.341	1.210	1.174	100.700
25	1.250	4.101	29.550	29.557	0.343	1.070	1.160	99.500
26	1.300	4.265	27.450	27.456	0.316	0.950	1.151	93.700
27	1.350	4.429	23.150	23.160	0.268	1.640	1.157	84.800
28	1.400	4.593	17.730	17.732	0.349	0.380	1.968	88.000
29	1.450	4.757	16.290	16.296	0.254	0.990	1.559	87.700
30	1.500	4.921	26.790	26.771	0.250	-3.120	0.934	80.200
31	1.550	5.085	20.520	20.577	0.408	9.070	1.983	73.800
32	1.600	5.249	12.780	12.805	0.436	3.950	3.405	71.600
33	1.650	5.413	13.560	13.576	0.321	2.560	2.364	74.300
34	1.700	5.577	12.500	12.478	0.279	-3.590	2.236	87.400
35	1.750	5.741	14.290	14.256	0.269	-5.450	1.887	74.300
36	1.800	5.905	11.790	11.754	0.244	-5.770	2.076	58.800
37	1.850	6.069	12.000	11.977	0.204	-3.760	1.703	50.400
38	1.900	6.234	18.510	18.531	0.256	3.440	1.381	53.100
39	1.950	6.398	19.940	20.001	0.359	9.800	1.795	45.400
40	2.000	6.562	17.340	17.384	0.319	7.040	1.835	52.900
41	2.050	6.726	13.990	14.015	0.264	3.930	1.884	58.000
42	2.100	6.890	9.840	9.859	0.185	3.100	1.876	62.000
43	2.150	7.054	7.150	7.164	0.152	2.220	2.122	57.700
44	2.200	7.218	7.050	7.068	0.131	2.920	1.853	61.000
45	2.250	7.382	6.490	6.490	0.114	0.000	1.757	61.500
46	2.300	7.546	7.800	7.801	0.111	0.160	1.423	55.100
47	2.350	7.710	11.730	11.743	0.145	2.140	1.235	53.900
48	2.400	7.874	4.690	4.674	0.158	-2.500	3.380	53.200
49	2.450	8.038	4.900	4.922	0.095	3.510	1.930	52.200
50	2.500	8.202	10.550	10.577	0.086	4.280	0.813	37.300
51	2.550	8.366	25.470	25.513	0.167	6.860	0.655	46.500
52	2.600	8.530	43.570	43.606	0.407	5.750	0.933	65.100
53	2.650	8.694	25.590	25.653	0.403	10.090	1.571	65.900
54	2.700	8.858	10.640	10.689	0.447	7.820	4.182	81.900
55	2.750	9.022	16.030	16.064	0.261	5.480	1.625	87.100
56	2.800	9.186	21.250	21.267	0.378	2.740	1.777	85.500
57	2.850	9.350	22.070	22.086	0.453	2.500	2.051	95.600
58	2.900	9.514	19.060	19.060	0.528	0.020	2.770	95.100
59	2.950	9.678	17.300	17.286	0.564	-2.190	3.263	89.400
60	3.000	9.842	17.960	17.932	0.565	-4.550	3.151	85.900
61	3.050	10.006	17.840	17.802	0.577	-6.060	3.241	63.900
62	3.100	10.170	15.720	15.675	0.521	-7.280	3.324	55.800
63	3.150	10.335	25.240	25.198	0.592	-6.700	2.349	38.800
64	3.200	10.499	26.110	26.075	0.540	-5.680	2.071	39.500
65	3.250	10.663	24.940	24.956	0.782	2.640	3.133	23.500
66	3.300	10.827	78.130	78.168	1.169	6.050	1.496	20.700
67	3.350	10.991	143.090	143.364	1.612	43.890	1.124	14.300
68	3.400	11.155	154.280	154.472	1.619	30.770	1.048	16.000
69	3.450	11.319	107.850	107.866	1.361	2.580	1.262	11.300
70	3.500	11.483	84.170	84.168	0.966	-0.360	1.148	16.600
71	3.550	11.647	62.490	62.508	0.903	2.900	1.445	10.600
72	3.600	11.811	66.290	66.289	1.006	-0.130	1.518	10.700
73	3.650	11.975	26.290	26.310	0.785	3.200	2.984	13.000
74	3.700	12.139	37.610	37.620	0.615	1.600	1.635	11.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	62.310	62.328	0.521	2.860	0.836	15.500
76	3.800	12.467	25.720	25.766	0.865	7.330	3.357	15.200
77	3.850	12.631	18.670	18.690	0.691	3.130	3.697	18.400
78	3.900	12.795	29.210	29.210	0.411	-0.080	1.407	24.600
79	3.950	12.959	20.090	20.179	0.295	14.320	1.462	29.200
80	4.000	13.123	16.210	16.262	0.320	8.390	1.968	33.700
81	4.050	13.287	32.260	32.291	0.422	4.940	1.307	39.800
82	4.100	13.451	37.220	37.269	0.385	7.910	1.033	51.800
83	4.150	13.615	15.480	15.516	0.293	5.710	1.888	65.600
84	4.200	13.779	10.190	10.240	0.268	8.060	2.617	68.300
85	4.250	13.943	17.800	17.863	0.308	10.100	1.724	76.800
86	4.300	14.107	24.000	24.090	0.443	14.420	1.839	77.000
87	4.350	14.271	21.330	21.359	0.581	4.660	2.720	69.900
88	4.400	14.436	21.300	21.436	0.649	21.850	3.028	85.100
89	4.450	14.600	20.320	20.421	0.688	16.140	3.369	57.600
90	4.500	14.764	17.640	17.643	0.658	0.540	3.729	55.100
91	4.550	14.928	17.060	17.048	0.642	-1.930	3.766	37.200
92	4.600	15.092	37.820	37.816	0.653	-0.650	1.727	29.300
93	4.650	15.256	50.650	51.124	0.681	75.870	1.332	22.900
94	4.700	15.420	55.090	55.114	0.957	3.900	1.736	20.700
95	4.750	15.584	41.420	41.452	0.992	5.160	2.393	21.900
96	4.800	15.748	44.380	44.700	1.177	51.190	2.633	17.700
97	4.850	15.912	70.030	70.066	1.385	5.780	1.977	24.900
98	4.900	16.076	29.890	29.901	1.054	1.830	3.525	24.800
99	4.950	16.240	19.200	19.195	0.852	-0.740	4.439	23.600
100	5.000	16.404	20.330	20.339	0.730	1.500	3.589	23.400
101	5.050	16.568	23.000	23.078	0.701	12.570	3.037	17.100
102	5.100	16.732	18.820	18.931	0.877	17.720	4.633	15.400
103	5.150	16.896	23.270	23.597	1.021	52.330	4.327	19.200
104	5.200	17.060	20.940	21.064	1.017	19.890	4.828	19.400
105	5.250	17.224	24.110	24.243	0.848	21.360	3.498	21.800
106	5.300	17.388	23.400	23.718	1.015	50.930	4.279	23.700
107	5.350	17.552	23.470	23.558	0.947	14.150	4.020	25.400
108	5.400	17.716	39.160	39.188	0.717	4.470	1.830	28.100
109	5.450	17.880	59.970	59.995	1.041	4.080	1.735	32.200
110	5.500	18.044	47.380	47.406	0.929	4.220	1.960	31.900
111	5.550	18.208	44.510	44.534	0.916	3.870	2.057	38.600
112	5.600	18.372	64.980	65.037	0.906	9.120	1.393	45.400
113	5.650	18.537	39.980	40.047	0.748	10.790	1.868	57.400
114	5.700	18.701	22.490	22.562	0.853	11.550	3.781	63.300
115	5.750	18.865	22.530	22.561	0.627	5.030	2.779	82.500
116	5.800	19.029	26.240	26.299	0.717	9.480	2.726	83.500
117	5.850	19.193	25.830	25.841	0.758	1.790	2.933	80.700
118	5.900	19.357	26.740	26.784	0.780	7.010	2.912	87.300
119	5.950	19.521	30.360	30.394	0.760	5.430	2.501	99.800
120	6.000	19.685	38.370	38.377	0.681	1.190	1.774	92.200
121	6.050	19.849	41.740	41.730	0.698	-1.640	1.673	95.800
122	6.100	20.013	40.170	40.155	0.810	-2.330	2.017	77.600
123	6.150	20.177	38.630	38.625	0.878	-0.840	2.273	100.800
124	6.200	20.341	43.350	43.369	0.806	3.050	1.858	95.200
125	6.250	20.505	79.910	79.970	1.057	9.680	1.322	96.100
126	6.300	20.669	82.610	82.625	1.749	2.370	2.117	88.500
127	6.350	20.833	68.470	68.489	1.584	2.970	2.313	103.100
128	6.400	20.997	100.180	100.324	1.279	23.010	1.275	86.800
129	6.450	21.161	134.320	134.544	1.668	35.890	1.240	91.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	149.510	149.513	1.994	0.550	1.334	103.600
131	6.550	21.489	136.070	136.101	2.367	4.950	1.739	91.300
132	6.600	21.653	90.790	90.824	2.717	5.460	2.991	90.000
133	6.650	21.817	70.640	70.685	2.507	7.270	3.547	95.600
134	6.700	21.981	68.670	68.805	2.149	21.560	3.123	91.500
135	6.750	22.145	63.550	63.592	1.709	6.770	2.687	96.900
136	6.800	22.309	63.740	63.751	1.439	1.790	2.257	97.800
137	6.850	22.473	65.140	65.144	1.313	0.650	2.016	98.600
138	6.900	22.638	64.570	64.590	1.436	3.250	2.223	98.800
139	6.950	22.802	59.670	59.698	1.590	4.440	2.663	95.700
140	7.000	22.966	57.810	57.860	1.634	8.040	2.824	123.200
141	7.050	23.130	57.740	57.792	1.575	8.360	2.725	134.300
142	7.100	23.294	59.480	59.532	1.430	8.250	2.402	146.100
143	7.150	23.458	58.960	58.993	1.255	5.210	2.127	186.100
144	7.200	23.622	53.260	53.265	1.010	0.820	1.896	265.400
145	7.250	23.786	46.290	46.285	0.843	-0.770	1.821	433.900
146	7.300	23.950	44.530	44.527	1.032	-0.530	2.318	686.100
147	7.350	24.114	34.840	34.832	0.871	-1.230	2.501	954.200
148	7.400	24.278	57.790	57.838	1.477	7.760	2.554	1120.000
149	7.450	24.442	60.440	60.470	1.615	4.840	2.671	1131.300
150	7.500	24.606	22.320	22.395	1.481	12.010	6.613	1052.300
151	7.550	24.770	30.390	30.397	1.185	1.160	3.898	803.000
152	7.600	24.934	28.930	29.028	0.883	15.670	3.042	577.400
153	7.650	25.098	23.280	23.394	0.878	18.220	3.753	359.900
154	7.700	25.262	21.150	21.175	0.687	4.010	3.244	228.800
155	7.750	25.426	20.210	20.228	0.882	2.850	4.360	145.600
156	7.800	25.590	38.690	38.695	0.643	0.740	1.662	107.400
157	7.850	25.754	67.770	67.861	1.057	14.650	1.558	72.100
158	7.900	25.918	93.840	93.941	1.251	16.240	1.332	77.500
159	7.950	26.082	91.170	91.227	1.440	9.170	1.578	72.800
160	8.000	26.246	84.560	84.582	1.298	3.500	1.535	66.400
161	8.050	26.410	117.120	117.251	1.347	20.910	1.149	53.900
162	8.100	26.574	183.550	183.670	2.418	19.230	1.316	44.100
163	8.150	26.739	194.110	194.152	3.850	6.800	1.983	39.600
164	8.200	26.903	206.640	206.708	4.318	10.940	2.089	31.600
165	8.250	27.067	221.000	221.094	4.827	14.980	2.183	32.200
166	8.300	27.231	236.790	236.851	5.854	9.700	2.472	0.000
167	8.350	27.395	109.460	109.510	5.519	7.930	5.040	0.000
168	8.400	27.559	145.360	145.406	4.473	7.380	3.076	0.000
169	8.450	27.723	115.350	115.414	2.696	10.210	2.336	0.000
170	8.500	27.887	114.010	114.069	3.009	9.410	2.638	0.000
171	8.550	28.051	194.120	194.120	3.101	0.030	1.597	0.000
172	8.600	28.215	295.700	295.782	3.996	13.140	1.351	0.000
173	8.650	28.379	196.220	196.290	4.085	11.240	2.081	0.000
174	8.700	28.543	145.130	145.189	3.839	9.440	2.644	0.000
175	8.750	28.707	96.730	96.783	3.038	8.460	3.139	0.000
176	8.800	28.871	84.800	84.902	1.908	16.290	2.247	27.800
177	8.850	29.035	119.980	120.025	2.345	7.130	1.954	27.100
178	8.900	29.199	83.250	83.289	1.548	6.190	1.859	32.900
179	8.950	29.363	61.850	61.846	1.406	-0.720	2.273	39.600
180	9.000	29.527	52.840	52.871	1.022	5.030	1.933	37.900
181	9.050	29.691	38.390	38.393	0.979	0.410	2.550	29.500
182	9.100	29.855	39.230	39.246	0.802	2.530	2.044	39.000
183	9.150	30.019	23.390	23.457	0.508	10.660	2.166	41.600
184	9.200	30.183	20.160	20.338	0.518	28.570	2.547	43.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	25.940	26.056	0.610	18.520	2.341	45.400
186	9.300	30.511	29.050	29.330	1.031	44.920	3.515	48.200
187	9.350	30.675	87.530	87.571	1.418	6.590	1.619	57.100
188	9.400	30.840	119.760	119.764	2.657	0.720	2.219	64.500
189	9.450	31.004	58.530	58.510	2.584	-3.130	4.416	94.600
190	9.500	31.168	30.520	30.614	2.144	15.020	7.003	90.000
191	9.550	31.332	29.960	30.160	1.350	32.110	4.476	95.400
192	9.600	31.496	28.840	28.999	1.394	25.480	4.807	85.900
193	9.650	31.660	28.500	28.598	1.393	15.700	4.871	107.700
194	9.700	31.824	26.900	27.104	1.381	32.650	5.095	109.900
195	9.750	31.988	26.030	26.250	1.336	35.240	5.090	107.700
196	9.800	32.152	25.040	25.219	1.306	28.720	5.179	109.000
197	9.850	32.316	24.380	24.537	1.287	25.220	5.245	103.900
198	9.900	32.480	23.800	23.962	1.270	25.960	5.300	97.700
199	9.950	32.644	22.990	23.123	1.252	21.260	5.415	96.800
200	10.000	32.808	22.300	22.384	1.247	13.460	5.571	99.100
201	10.050	32.972	20.240	20.295	1.228	8.760	6.051	96.100
202	10.100	33.136	20.140	20.199	1.143	9.390	5.659	102.800
203	10.150	33.300	20.590	20.625	1.111	5.670	5.387	95.900
204	10.200	33.464	21.700	21.720	1.046	3.140	4.816	95.000
205	10.250	33.628	31.270	31.282	1.114	1.990	3.561	93.900
206	10.300	33.792	48.920	48.920	1.136	-0.040	2.322	96.300
207	10.350	33.956	79.090	79.110	1.170	3.270	1.479	107.400
208	10.400	34.120	112.520	112.553	1.159	5.350	1.030	97.400
209	10.450	34.284	137.860	137.921	1.415	9.720	1.026	98.700
210	10.500	34.448	166.320	166.389	1.711	11.100	1.028	85.100
211	10.550	34.612	184.030	184.096	1.782	10.510	0.968	92.900
212	10.600	34.776	192.440	192.509	2.058	11.000	1.069	87.200
213	10.650	34.941	191.870	191.947	2.267	12.280	1.181	87.500
214	10.700	35.105	180.300	180.362	2.401	10.000	1.331	84.900
215	10.750	35.269	166.060	166.115	2.461	8.810	1.482	90.900
216	10.800	35.433	155.260	155.316	2.363	8.960	1.521	90.100
217	10.850	35.597	150.130	150.186	2.306	9.040	1.535	101.000
218	10.900	35.761	154.470	154.532	2.247	10.010	1.454	92.300
219	10.950	35.925	158.730	158.793	2.270	10.110	1.430	87.100
220	11.000	36.089	169.740	169.808	2.272	10.820	1.338	95.900
221	11.050	36.253	174.530	174.600	2.254	11.150	1.291	90.100
222	11.100	36.417	174.050	174.119	2.256	11.080	1.296	82.200
223	11.150	36.581	164.540	164.610	2.281	11.200	1.386	88.800
224	11.200	36.745	149.390	149.450	2.230	9.690	1.492	86.900
225	11.250	36.909	131.720	131.775	2.012	8.780	1.527	84.400
226	11.300	37.073	120.330	120.373	1.793	6.910	1.490	78.100
227	11.350	37.237	117.580	117.629	1.589	7.800	1.351	92.100
228	11.400	37.401	117.010	117.058	1.624	7.670	1.387	77.000
229	11.450	37.565	118.050	118.104	1.686	8.670	1.428	75.300
230	11.500	37.729	112.640	112.687	1.642	7.600	1.457	76.300
231	11.550	37.893	100.060	100.102	1.352	6.660	1.351	0.000
232	11.600	38.057	88.230	88.256	1.233	4.160	1.397	0.000
233	11.650	38.221	79.320	79.348	1.203	4.470	1.516	0.000
234	11.700	38.385	65.570	65.588	1.543	2.850	2.353	0.000
235	11.750	38.549	67.880	67.919	1.668	6.270	2.456	0.000
236	11.800	38.713	69.260	69.338	1.718	12.540	2.478	0.000
237	11.850	38.877	149.610	149.825	1.455	34.440	0.971	0.000
238	11.900	39.042	191.100	191.140	1.365	6.340	0.714	0.000
239	11.950	39.206	189.780	189.813	1.245	5.330	0.656	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	177.920	177.946	1.402	4.160	0.788	0.000
241	12.050	39.534	172.310	172.337	1.402	4.320	0.814	0.000
242	12.100	39.698	176.330	176.361	1.559	4.950	0.884	0.000
243	12.150	39.862	187.920	187.960	1.598	6.470	0.850	0.000
244	12.200	40.026	205.130	205.164	1.674	5.380	0.816	0.000
245	12.250	40.190	289.510	289.562	0.000	8.250	0.000	0.000
246	12.300	40.354	291.310	291.365	0.000	8.800	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221520
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-2-1
Cone ID:	226:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-24-2013
CPT Time:	12:19
CPT File:	13-53075_GP2-1.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722024.430
Northing / Lat:	4294261.760
Elevation:	143.990
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	7.610	7.622	0.012	1.990	0.157	41.200
2	0.100	0.328	19.610	19.627	0.146	2.730	0.744	51.000
3	0.150	0.492	22.030	22.052	0.284	3.500	1.288	59.200
4	0.200	0.656	24.880	24.897	0.429	2.710	1.723	66.600
5	0.250	0.820	27.710	27.723	0.605	2.100	2.182	83.600
6	0.300	0.984	33.750	33.761	0.607	1.840	1.798	82.500
7	0.350	1.148	38.330	38.337	0.664	1.140	1.732	68.800
8	0.400	1.312	30.110	30.110	1.039	0.040	3.451	65.400
9	0.450	1.476	85.380	85.380	0.905	0.030	1.060	55.900
10	0.500	1.640	141.940	141.941	0.969	0.170	0.683	70.600
11	0.550	1.804	169.940	169.947	1.129	1.070	0.664	65.700
12	0.600	1.968	153.680	153.686	1.039	0.930	0.676	75.200
13	0.650	2.133	117.360	117.366	1.114	0.950	0.949	71.900
14	0.700	2.297	85.480	85.485	1.187	0.800	1.389	71.800
15	0.750	2.461	65.680	65.686	1.310	0.980	1.994	80.300
16	0.800	2.625	61.880	61.888	1.392	1.230	2.249	83.000
17	0.850	2.789	74.330	74.341	1.445	1.810	1.944	90.200
18	0.900	2.953	75.170	75.181	1.843	1.700	2.451	78.500
19	0.950	3.117	101.160	101.176	2.121	2.630	2.096	83.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	123.170	123.190	2.103	3.160	1.707	93.500
21	1.050	3.445	119.600	119.616	2.111	2.550	1.765	90.000
22	1.100	3.609	88.730	88.746	2.327	2.510	2.622	80.300
23	1.150	3.773	69.380	69.394	2.399	2.310	3.457	78.700
24	1.200	3.937	56.100	56.114	2.061	2.320	3.673	79.700
25	1.250	4.101	53.810	53.828	1.672	2.890	3.106	74.700
26	1.300	4.265	56.100	56.117	1.609	2.750	2.867	70.300
27	1.350	4.429	42.200	42.212	1.447	1.970	3.428	64.400
28	1.400	4.593	34.230	34.239	1.259	1.490	3.677	61.600
29	1.450	4.757	35.550	35.557	0.807	1.080	2.270	56.900
30	1.500	4.921	60.600	60.608	0.747	1.210	1.233	56.500
31	1.550	5.085	106.760	106.779	0.379	3.120	0.355	46.900
32	1.600	5.249	87.680	87.699	0.483	3.100	0.551	47.100
33	1.650	5.413	79.180	79.196	0.812	2.620	1.025	35.400
34	1.700	5.577	77.500	77.517	1.077	2.660	1.389	38.800
35	1.750	5.741	93.950	93.970	0.978	3.220	1.041	30.900
36	1.800	5.905	147.420	147.451	1.112	4.950	0.754	32.400
37	1.850	6.069	189.220	189.247	1.023	4.400	0.541	27.600
38	1.900	6.234	149.180	149.204	0.748	3.770	0.501	26.400
39	1.950	6.398	119.160	119.182	0.863	3.540	0.724	30.300
40	2.000	6.562	111.830	111.850	1.393	3.200	1.245	30.900
41	2.050	6.726	115.160	115.181	0.461	3.370	0.400	30.200
42	2.100	6.890	117.720	117.740	0.498	3.260	0.423	36.800
43	2.150	7.054	71.390	71.413	0.663	3.740	0.928	46.500
44	2.200	7.218	29.180	29.211	0.936	4.980	3.204	53.000
45	2.250	7.382	41.410	41.444	0.923	5.440	2.227	55.000
46	2.300	7.546	18.900	18.947	0.720	7.560	3.800	73.800
47	2.350	7.710	9.530	9.582	0.463	8.330	4.832	54.800
48	2.400	7.874	11.440	11.495	0.506	8.770	4.402	41.800
49	2.450	8.038	19.110	19.167	0.376	9.060	1.962	35.900
50	2.500	8.202	59.880	59.939	0.766	9.480	1.278	26.100
51	2.550	8.366	65.970	66.047	1.299	12.270	1.967	15.700
52	2.600	8.530	57.010	57.071	1.676	9.730	2.937	15.800
53	2.650	8.694	61.280	61.343	1.222	10.070	1.992	13.600
54	2.700	8.858	55.930	55.988	1.065	9.330	1.902	17.300
55	2.750	9.022	61.560	61.616	0.919	8.980	1.491	13.600
56	2.800	9.186	91.940	91.996	1.635	8.930	1.777	20.400
57	2.850	9.350	67.430	67.476	1.646	7.310	2.439	15.700
58	2.900	9.514	20.620	20.658	0.772	6.070	3.737	15.700
59	2.950	9.678	6.620	6.669	0.986	7.810	14.785	13.500
60	3.000	9.842	26.160	26.215	0.490	8.860	1.869	13.100
61	3.050	10.006	36.630	36.679	0.445	7.780	1.213	13.100
62	3.100	10.170	6.400	6.447	0.416	7.530	6.453	20.400
63	3.150	10.335	14.510	14.548	0.341	6.140	2.344	16.900
64	3.200	10.499	29.450	29.489	0.260	6.270	0.882	16.700
65	3.250	10.663	33.820	33.854	0.302	5.420	0.892	14.700
66	3.300	10.827	8.640	8.672	0.303	5.050	3.494	18.900
67	3.350	10.991	10.010	10.044	0.180	5.520	1.792	20.800
68	3.400	11.155	27.590	27.621	0.306	5.020	1.108	20.600
69	3.450	11.319	31.840	31.869	0.322	4.700	1.010	15.100
70	3.500	11.483	22.230	22.257	0.358	4.400	1.608	24.100
71	3.550	11.647	17.640	17.657	0.457	2.760	2.588	25.000
72	3.600	11.811	23.560	23.577	0.435	2.710	1.845	29.200
73	3.650	11.975	67.490	67.509	0.418	2.980	0.619	32.400
74	3.700	12.139	51.910	51.931	0.555	3.440	1.069	43.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	26.150	26.168	0.455	2.960	1.739	65.700
76	3.800	12.467	26.950	26.970	0.305	3.210	1.131	72.800
77	3.850	12.631	32.530	32.551	0.337	3.290	1.035	67.200
78	3.900	12.795	27.570	27.589	0.438	3.060	1.588	68.700
79	3.950	12.959	24.480	24.494	0.246	2.210	1.004	48.900
80	4.000	13.123	97.750	97.764	0.688	2.320	0.704	49.000
81	4.050	13.287	132.730	132.743	0.574	2.030	0.432	55.400
82	4.100	13.451	95.510	95.522	1.440	1.990	1.507	67.500
83	4.150	13.615	65.690	65.701	1.646	1.770	2.505	74.200
84	4.200	13.779	33.350	33.365	1.556	2.360	4.664	80.100
85	4.250	13.943	44.330	44.369	1.596	6.180	3.597	65.900
86	4.300	14.107	56.520	56.563	1.565	6.950	2.767	46.700
87	4.350	14.271	71.830	71.869	1.972	6.200	2.744	35.900
88	4.400	14.436	77.220	77.259	1.776	6.180	2.299	27.200
89	4.450	14.600	54.440	54.486	1.421	7.430	2.608	21.400
90	4.500	14.764	63.360	63.406	1.240	7.330	1.956	18.700
91	4.550	14.928	47.860	47.890	0.928	4.880	1.938	15.100
92	4.600	15.092	34.080	34.108	1.287	4.550	3.773	12.800
93	4.650	15.256	51.640	51.666	1.358	4.140	2.628	13.900
94	4.700	15.420	67.910	67.939	1.767	4.630	2.601	8.200
95	4.750	15.584	137.080	137.110	1.444	4.840	1.053	9.400
96	4.800	15.748	192.930	192.961	1.790	4.890	0.928	11.500
97	4.850	15.912	104.530	104.556	1.861	4.180	1.780	10.900
98	4.900	16.076	97.370	97.393	1.560	3.710	1.602	10.400
99	4.950	16.240	302.720	302.746	1.563	4.220	0.516	14.000
100	5.000	16.404	293.000	293.050	2.124	8.010	0.725	16.400
101	5.050	16.568	87.920	87.987	2.387	10.780	2.713	16.800
102	5.100	16.732	158.400	158.490	2.368	14.490	1.494	19.700
103	5.150	16.896	102.860	102.955	2.631	15.220	2.555	28.500
104	5.200	17.060	71.260	71.340	2.325	12.800	3.259	32.100
105	5.250	17.224	63.920	63.995	1.332	12.010	2.081	39.700
106	5.300	17.388	52.960	53.037	1.005	12.370	1.895	47.700
107	5.350	17.552	75.030	75.108	0.783	12.560	1.042	68.800
108	5.400	17.716	78.670	78.750	0.907	12.820	1.152	75.300
109	5.450	17.880	68.070	68.142	0.979	11.540	1.437	84.300
110	5.500	18.044	58.970	59.037	1.133	10.770	1.919	89.800
111	5.550	18.208	63.100	63.162	1.261	9.930	1.996	74.000
112	5.600	18.372	57.840	57.894	1.001	8.650	1.729	74.100
113	5.650	18.537	73.230	73.278	1.177	7.680	1.606	67.700
114	5.700	18.701	121.350	121.400	1.435	8.030	1.182	53.600
115	5.750	18.865	52.540	52.589	2.077	7.860	3.949	58.800
116	5.800	19.029	52.900	52.946	1.601	7.440	3.024	60.200
117	5.850	19.193	30.860	30.915	1.345	8.820	4.351	78.800
118	5.900	19.357	51.750	51.821	1.101	11.320	2.125	70.200
119	5.950	19.521	64.090	64.154	1.879	10.260	2.929	71.900
120	6.000	19.685	65.700	65.758	3.224	9.290	4.903	55.900
121	6.050	19.849	163.740	163.805	1.604	10.470	0.979	44.400
122	6.100	20.013	93.360	93.408	1.764	7.630	1.888	34.100
123	6.150	20.177	72.880	72.897	1.747	2.690	2.397	22.700
124	6.200	20.341	61.630	61.650	1.423	3.260	2.308	20.200
125	6.250	20.505	28.800	28.817	0.905	2.780	3.140	15.000
126	6.300	20.669	49.000	49.014	0.751	2.320	1.532	12.800
127	6.350	20.833	65.630	65.644	0.846	2.280	1.289	13.500
128	6.400	20.997	47.560	47.572	1.206	1.970	2.535	12.700
129	6.450	21.161	86.040	86.052	0.799	1.980	0.929	10.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	56.860	56.872	1.235	1.900	2.172	5.500
131	6.550	21.489	32.780	32.783	1.345	0.430	4.103	8.100
132	6.600	21.653	123.570	123.590	2.076	3.140	1.680	6.900
133	6.650	21.817	149.480	149.500	3.413	3.140	2.283	7.300
134	6.700	21.981	113.850	113.884	3.019	5.440	2.651	9.700
135	6.750	22.145	68.160	68.191	3.014	4.930	4.420	5.300
136	6.800	22.309	280.020	280.052	5.050	5.170	1.803	7.200
137	6.850	22.473	258.590	258.619	6.053	4.660	2.341	7.600
138	6.900	22.638	137.620	137.648	5.620	4.540	4.083	6.500
139	6.950	22.802	60.120	60.142	3.705	3.570	6.160	6.800
140	7.000	22.966	110.100	110.119	2.804	3.020	2.546	8.000
141	7.050	23.130	139.360	139.380	3.256	3.210	2.336	12.300
142	7.100	23.294	68.910	68.935	3.967	4.020	5.755	13.000
143	7.150	23.458	47.330	47.344	3.367	2.190	7.112	12.000
144	7.200	23.622	44.500	44.506	1.733	1.020	3.894	20.700
145	7.250	23.786	53.810	53.836	1.484	4.180	2.757	25.900
146	7.300	23.950	35.970	35.997	1.108	4.390	3.078	30.700
147	7.350	24.114	31.000	31.029	0.645	4.720	2.079	55.500
148	7.400	24.278	19.160	19.169	0.504	1.500	2.629	71.800
149	7.450	24.442	15.210	15.223	0.468	2.010	3.074	58.700
150	7.500	24.606	34.020	34.048	0.464	4.560	1.363	65.700
151	7.550	24.770	33.770	33.802	0.854	5.100	2.526	61.000
152	7.600	24.934	49.370	49.448	0.982	12.430	1.986	54.900
153	7.650	25.098	49.300	49.373	1.168	11.670	2.366	56.100
154	7.700	25.262	30.040	30.097	1.146	9.170	3.808	62.300
155	7.750	25.426	21.480	21.503	0.820	3.750	3.813	51.700
156	7.800	25.590	37.410	37.431	0.577	3.410	1.541	48.500
157	7.850	25.754	27.410	27.430	0.500	3.140	1.823	46.400
158	7.900	25.918	15.270	15.282	0.723	1.860	4.731	55.800
159	7.950	26.082	35.550	35.577	0.690	4.380	1.939	49.300
160	8.000	26.246	24.810	24.842	0.759	5.090	3.055	57.200
161	8.050	26.410	20.330	20.364	0.587	5.490	2.882	82.900
162	8.100	26.574	13.260	13.287	0.496	4.260	3.733	80.700
163	8.150	26.739	14.130	14.184	0.531	8.690	3.744	73.400
164	8.200	26.903	18.810	18.862	0.847	8.380	4.490	63.700
165	8.250	27.067	46.960	46.994	1.189	5.470	2.530	61.600
166	8.300	27.231	55.390	55.407	1.260	2.680	2.274	61.800
167	8.350	27.395	13.630	13.673	1.112	6.810	8.133	69.800
168	8.400	27.559	13.600	13.658	0.425	9.220	3.112	64.000
169	8.450	27.723	15.910	15.964	0.358	8.680	2.243	60.700
170	8.500	27.887	15.380	15.436	0.395	8.970	2.559	60.800
171	8.550	28.051	16.340	16.398	0.455	9.330	2.775	54.500
172	8.600	28.215	14.680	14.712	0.578	5.190	3.929	53.400
173	8.650	28.379	20.390	20.418	0.379	4.540	1.856	48.600
174	8.700	28.543	13.200	13.233	0.475	5.240	3.590	42.800
175	8.750	28.707	45.850	45.888	0.896	6.050	1.953	36.300
176	8.800	28.871	64.310	64.328	1.142	2.930	1.775	41.400
177	8.850	29.035	40.640	40.674	1.480	5.500	3.639	57.600
178	8.900	29.199	43.520	43.587	1.516	10.770	3.478	46.500
179	8.950	29.363	40.190	40.242	1.111	8.250	2.761	35.700
180	9.000	29.527	15.920	15.937	1.124	2.750	7.053	32.300
181	9.050	29.691	18.370	18.392	0.888	3.460	4.828	24.900
182	9.100	29.855	207.610	207.685	0.937	12.070	0.451	21.300
183	9.150	30.019	307.900	307.954	1.326	8.730	0.431	32.000
184	9.200	30.183	313.530	313.576	2.328	7.300	0.742	39.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	143.160	143.196	2.757	5.820	1.925	52.400
186	9.300	30.511	106.320	106.371	2.433	8.180	2.287	51.100
187	9.350	30.675	68.580	68.640	1.973	9.590	2.874	50.200
188	9.400	30.840	71.930	71.993	1.238	10.120	1.720	51.400
189	9.450	31.004	29.470	29.523	0.717	8.540	2.429	47.700
190	9.500	31.168	18.070	18.121	0.473	8.120	2.610	45.000
191	9.550	31.332	12.200	12.246	0.195	7.300	1.592	39.400
192	9.600	31.496	2.000	2.015	0.146	2.430	7.245	49.200
193	9.650	31.660	13.680	13.689	0.325	1.470	2.374	45.700
194	9.700	31.824	14.860	14.869	0.480	1.480	3.228	59.800
195	9.750	31.988	13.400	13.421	0.616	3.300	4.590	51.800
196	9.800	32.152	13.950	13.969	0.636	3.010	4.553	48.500
197	9.850	32.316	17.770	17.786	0.739	2.600	4.155	55.200
198	9.900	32.480	24.980	24.995	0.799	2.380	3.197	55.800
199	9.950	32.644	34.900	34.908	0.855	1.240	2.449	49.400
200	10.000	32.808	48.230	48.222	0.924	-1.230	1.916	54.200
201	10.050	32.972	49.720	49.701	1.004	-3.120	2.020	43.100
202	10.100	33.136	39.340	39.322	1.012	-2.830	2.574	45.400
203	10.150	33.300	32.320	32.301	0.909	-3.100	2.814	50.200
204	10.200	33.464	29.240	29.216	0.773	-3.810	2.646	41.500
205	10.250	33.628	51.550	51.524	0.780	-4.110	1.514	38.700
206	10.300	33.792	36.640	36.621	1.096	-3.120	2.993	41.500
207	10.350	33.956	38.470	38.458	1.329	-1.930	3.456	33.100
208	10.400	34.120	48.590	48.580	1.296	-1.530	2.668	38.300
209	10.450	34.284	44.800	44.806	1.310	0.960	2.924	30.600
210	10.500	34.448	48.310	48.314	1.318	0.710	2.728	21.200
211	10.550	34.612	82.090	82.093	1.923	0.420	2.342	23.100
212	10.600	34.776	67.980	67.995	2.235	2.390	3.287	19.100
213	10.650	34.941	50.330	50.352	2.435	3.560	4.836	15.900
214	10.700	35.105	66.360	66.394	2.178	5.500	3.280	15.200
215	10.750	35.269	57.560	57.603	2.168	6.850	3.764	14.800
216	10.800	35.433	35.550	35.594	2.710	7.000	7.614	14.900
217	10.850	35.597	54.350	54.388	1.488	6.090	2.736	15.700
218	10.900	35.761	61.770	61.801	1.139	4.980	1.843	15.700
219	10.950	35.925	24.200	24.249	1.469	7.870	6.058	19.300
220	11.000	36.089	53.400	53.451	0.964	8.200	1.804	14.500
221	11.050	36.253	62.620	62.644	0.943	3.850	1.505	12.500
222	11.100	36.417	86.430	86.473	1.024	6.870	1.184	10.500
223	11.150	36.581	83.470	83.513	1.084	6.940	1.298	16.400
224	11.200	36.745	84.430	84.468	1.110	6.090	1.314	18.300
225	11.250	36.909	69.960	69.984	1.037	3.780	1.482	16.800
226	11.300	37.073	77.460	77.481	1.113	3.380	1.436	18.900
227	11.350	37.237	67.480	67.503	1.222	3.690	1.810	23.500
228	11.400	37.401	41.000	41.026	1.350	4.130	3.291	26.100
229	11.450	37.565	36.930	36.958	1.477	4.520	3.996	24.900
230	11.500	37.729	25.120	25.153	1.012	5.290	4.023	21.800
231	11.550	37.893	20.970	21.010	1.160	6.430	5.521	26.000
232	11.600	38.057	30.900	30.967	1.101	10.760	3.555	29.600
233	11.650	38.221	46.050	46.124	1.114	11.830	2.415	35.200
234	11.700	38.385	52.310	52.378	1.478	10.890	2.822	32.300
235	11.750	38.549	38.050	38.115	1.494	10.490	3.920	28.900
236	11.800	38.713	30.160	30.224	1.424	10.320	4.711	17.700
237	11.850	38.877	46.740	46.803	1.092	10.050	2.333	18.300
238	11.900	39.042	41.870	41.934	1.354	10.300	3.229	12.700
239	11.950	39.206	60.160	60.223	1.554	10.110	2.580	11.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	46.350	46.413	1.180	10.060	2.542	8.700
241	12.050	39.534	24.090	24.149	1.273	9.460	5.271	6.400
242	12.100	39.698	36.800	36.858	1.223	9.370	3.318	10.400
243	12.150	39.862	48.970	49.029	1.174	9.500	2.394	9.000
244	12.200	40.026	65.210	65.269	1.225	9.430	1.877	8.500
245	12.250	40.190	46.440	46.483	1.293	6.840	2.782	7.200
246	12.300	40.354	29.780	29.817	1.081	6.000	3.625	8.900
247	12.350	40.518	50.690	50.724	1.260	5.510	2.484	6.600
248	12.400	40.682	32.490	32.530	1.146	6.450	3.523	3.500
249	12.450	40.846	29.230	29.266	1.577	5.800	5.388	3.500
250	12.500	41.010	44.090	44.139	1.908	7.830	4.323	4.600
251	12.550	41.174	40.460	40.501	2.106	6.490	5.200	8.400
252	12.600	41.338	81.880	81.906	2.009	4.190	2.453	8.100
253	12.650	41.502	43.340	43.388	1.714	7.710	3.950	8.200
254	12.700	41.666	17.620	17.657	1.525	5.970	8.637	11.800
255	12.750	41.830	11.210	11.236	0.966	4.110	8.598	15.800
256	12.800	41.994	70.140	70.167	0.998	4.350	1.422	16.400
257	12.850	42.158	42.010	42.040	1.292	4.840	3.073	27.900
258	12.900	42.322	27.900	27.939	1.337	6.320	4.785	27.800
259	12.950	42.486	20.940	20.977	0.896	5.880	4.271	33.100
260	13.000	42.650	15.340	15.387	0.660	7.580	4.289	41.900
261	13.050	42.814	28.580	28.635	0.448	8.830	1.565	47.000
262	13.100	42.978	32.380	32.427	0.329	7.540	1.015	32.800
263	13.150	43.143	25.930	25.973	0.336	6.960	1.294	38.400
264	13.200	43.307	16.800	16.842	0.452	6.720	2.684	23.100
265	13.250	43.471	11.900	11.941	0.672	6.550	5.628	17.400
266	13.300	43.635	14.020	14.066	0.747	7.300	5.311	24.600
267	13.350	43.799	34.000	34.044	0.723	7.020	2.124	17.200
268	13.400	43.963	31.950	31.991	0.978	6.500	3.057	17.600
269	13.450	44.127	51.500	51.550	1.109	8.010	2.151	18.300
270	13.500	44.291	36.530	36.573	1.027	6.940	2.808	24.600
271	13.550	44.455	16.950	16.994	0.690	7.110	4.060	23.500
272	13.600	44.619	8.340	8.365	0.406	4.000	4.854	36.600
273	13.650	44.783	7.260	7.278	0.338	2.960	4.644	27.000
274	13.700	44.947	15.220	15.241	0.321	3.390	2.106	35.800
275	13.750	45.111	36.490	36.516	0.362	4.160	0.991	35.400
276	13.800	45.275	38.160	38.180	0.567	3.130	1.485	35.800
277	13.850	45.439	32.910	32.933	0.771	3.720	2.341	47.600
278	13.900	45.603	20.480	20.507	0.901	4.360	4.394	58.100
279	13.950	45.767	53.830	53.870	0.718	6.440	1.333	57.300
280	14.000	45.931	91.440	91.482	0.710	6.660	0.776	54.700
281	14.050	46.095	104.140	104.181	0.712	6.550	0.683	53.000
282	14.100	46.259	106.890	106.931	0.755	6.500	0.706	54.000
283	14.150	46.423	101.030	101.071	0.858	6.500	0.849	61.900
284	14.200	46.587	93.670	93.711	0.872	6.490	0.931	58.100
285	14.250	46.751	89.440	89.479	0.809	6.240	0.904	56.200
286	14.300	46.915	83.100	83.139	0.736	6.220	0.885	59.900
287	14.350	47.079	77.520	77.559	0.726	6.170	0.936	62.100
288	14.400	47.244	76.470	76.508	0.639	6.160	0.835	58.100
289	14.450	47.408	75.620	75.659	0.637	6.260	0.842	54.200
290	14.500	47.572	78.070	78.109	0.565	6.170	0.723	51.600
291	14.550	47.736	76.050	76.088	0.566	6.160	0.744	52.500
292	14.600	47.900	55.870	55.906	0.572	5.800	1.023	50.200
293	14.650	48.064	48.290	48.327	0.614	5.970	1.271	51.500
294	14.700	48.228	58.950	58.989	0.651	6.190	1.104	51.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	60.620	60.659	0.740	6.250	1.220	0.000
296	14.800	48.556	74.290	74.329	0.717	6.170	0.965	0.000
297	14.850	48.720	96.450	96.493	0.662	6.940	0.686	0.000
298	14.900	48.884	100.740	100.783	0.695	6.830	0.690	0.000
299	14.950	49.048	119.760	119.803	0.703	6.820	0.587	0.000
300	15.000	49.212	142.330	142.374	1.050	7.120	0.737	0.000
301	15.050	49.376	107.610	107.653	1.659	6.840	1.541	0.000
302	15.100	49.540	66.040	66.085	2.276	7.140	3.444	0.000
303	15.150	49.704	62.200	62.245	1.298	7.250	2.085	0.000
304	15.200	49.868	90.340	90.388	1.140	7.710	1.261	0.000
305	15.250	50.032	144.680	144.729	1.154	7.840	0.797	0.000
306	15.300	50.196	170.750	170.800	1.130	7.980	0.662	0.000
307	15.350	50.360	192.500	192.550	1.139	8.080	0.592	0.000
308	15.400	50.524	217.280	217.332	0.977	8.340	0.450	0.000
309	15.450	50.688	227.560	227.613	0.000	8.520	0.000	0.000
310	15.500	50.852	241.280	241.334	0.000	8.630	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221521
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-2-2
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-24-2013
CPT Time:	09:03
CPT File:	13-53075_GP2-2.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722035.113
Northing / Lat:	4294253.847
Elevation:	144.649
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	2.930	2.969	0.340	6.240	11.452	19.300
2	0.100	0.328	307.280	307.316	0.394	5.810	0.128	42.900
3	0.150	0.492	322.180	322.203	0.698	3.630	0.217	32.900
4	0.200	0.656	239.120	239.118	0.710	-0.250	0.297	41.200
5	0.250	0.820	182.060	182.052	1.232	-1.230	0.677	53.800
6	0.300	0.984	167.320	167.352	1.034	5.120	0.618	73.900
7	0.350	1.148	148.150	148.214	1.132	10.310	0.764	74.200
8	0.400	1.312	136.220	136.257	1.567	5.980	1.150	77.800
9	0.450	1.476	119.810	119.870	1.671	9.600	1.394	104.900
10	0.500	1.640	96.810	96.823	2.198	2.050	2.270	75.800
11	0.550	1.804	85.250	85.321	2.070	11.340	2.426	90.700
12	0.600	1.968	86.660	86.721	2.082	9.720	2.401	92.500
13	0.650	2.133	80.640	80.632	1.891	-1.250	2.345	100.300
14	0.700	2.297	82.280	82.265	1.787	-2.450	2.172	92.700
15	0.750	2.461	93.410	93.392	1.653	-2.920	1.770	88.300
16	0.800	2.625	95.770	95.743	1.776	-4.290	1.855	85.200
17	0.850	2.789	98.140	98.132	1.623	-1.280	1.654	80.100
18	0.900	2.953	90.230	90.199	1.340	-4.950	1.486	84.700
19	0.950	3.117	67.410	67.371	0.904	-6.310	1.342	80.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	46.700	46.671	0.678	-4.660	1.453	86.300
21	1.050	3.445	34.740	34.726	0.583	-2.220	1.679	73.900
22	1.100	3.609	24.120	24.127	0.620	1.170	2.570	72.500
23	1.150	3.773	23.910	23.910	0.517	0.010	2.162	79.000
24	1.200	3.937	23.210	23.209	0.396	-0.120	1.706	70.500
25	1.250	4.101	64.330	64.336	0.386	0.950	0.600	61.000
26	1.300	4.265	41.480	41.536	0.391	8.990	0.941	69.600
27	1.350	4.429	36.160	36.184	0.356	3.770	0.984	0.000
28	1.400	4.593	27.750	27.751	0.317	0.150	1.142	0.000
29	1.450	4.757	24.220	24.227	0.256	1.200	1.057	0.000
30	1.500	4.921	21.240	21.243	0.260	0.450	1.224	0.000
31	1.550	5.085	23.710	23.692	0.222	-2.920	0.937	0.000
32	1.600	5.249	11.930	11.948	0.131	2.920	1.096	0.000
33	1.650	5.413	12.430	12.421	0.206	-1.380	1.658	0.000
34	1.700	5.577	21.150	21.193	0.241	6.810	1.137	0.000
35	1.750	5.741	8.170	8.192	0.381	3.510	4.651	0.000
36	1.800	5.905	11.960	12.001	0.338	6.590	2.816	0.000
37	1.850	6.069	10.090	10.089	0.191	-0.150	1.893	0.000
38	1.900	6.234	13.280	13.277	0.250	-0.420	1.883	0.000
39	1.950	6.398	33.230	33.259	0.238	4.710	0.716	0.000
40	2.000	6.562	27.020	27.078	0.471	9.310	1.739	0.000
41	2.050	6.726	38.980	39.099	0.502	19.110	1.284	0.000
42	2.100	6.890	31.860	31.894	0.585	5.440	1.834	0.000
43	2.150	7.054	59.820	59.829	1.105	1.400	1.847	0.000
44	2.200	7.218	72.090	72.218	0.909	20.450	1.259	0.000
45	2.250	7.382	147.120	147.152	0.807	5.170	0.548	0.000
46	2.300	7.546	59.060	59.045	1.080	-2.470	1.829	0.000
47	2.350	7.710	40.070	40.070	0.794	-0.050	1.982	0.000
48	2.400	7.874	47.840	47.962	0.582	19.470	1.213	0.000
49	2.450	8.038	99.810	99.811	1.542	0.230	1.545	0.000
50	2.500	8.202	97.710	97.716	2.187	1.010	2.238	0.000
51	2.550	8.366	141.820	141.997	2.384	28.420	1.679	0.000
52	2.600	8.530	363.580	363.577	0.000	-0.410	0.000	0.000
53	2.650	8.694	395.880	395.870	0.000	-1.650	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221522
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-2-2A
Cone ID:	226:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-24-2013
CPT Time:	10:44
CPT File:	13-53075_GP2-2A.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722038.868
Northing / Lat:	4294252.387
Elevation:	144.752
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
1	0.050	0.164	284.650	284.782	0.491	21.140	0.172	34.000
2	0.100	0.328	320.850	320.880	0.653	4.880	0.204	36.700
3	0.150	0.492	263.460	263.496	0.914	5.780	0.347	56.500
4	0.200	0.656	179.640	179.665	1.352	3.960	0.753	59.900
5	0.250	0.820	172.390	172.413	1.728	3.660	1.002	63.100
6	0.300	0.984	158.690	158.740	2.285	8.060	1.439	81.000
7	0.350	1.148	160.320	160.375	2.893	8.820	1.804	84.800
8	0.400	1.312	162.020	162.054	2.654	5.410	1.638	88.500
9	0.450	1.476	139.840	139.845	2.553	0.740	1.826	96.100
10	0.500	1.640	110.580	110.595	2.563	2.480	2.317	77.300
11	0.550	1.804	84.710	84.708	2.449	-0.330	2.891	77.400
12	0.600	1.968	66.410	66.403	2.290	-1.190	3.449	70.400
13	0.650	2.133	66.840	66.837	2.100	-0.560	3.142	86.100
14	0.700	2.297	77.420	77.419	1.757	-0.140	2.269	92.900
15	0.750	2.461	79.680	79.673	1.359	-1.120	1.706	87.100
16	0.800	2.625	80.920	80.914	1.294	-0.920	1.599	77.700
17	0.850	2.789	76.830	76.825	1.109	-0.810	1.444	81.800
18	0.900	2.953	75.200	75.193	0.899	-1.170	1.196	92.100
19	0.950	3.117	57.070	57.058	0.563	-1.910	0.987	80.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	40.260	40.248	0.449	-2.000	1.116	67.500
21	1.050	3.445	33.450	33.439	0.369	-1.700	1.103	58.800
22	1.100	3.609	32.920	32.921	0.336	0.210	1.021	70.500
23	1.150	3.773	32.060	32.063	0.215	0.440	0.671	65.500
24	1.200	3.937	54.740	54.751	0.192	1.730	0.351	71.200
25	1.250	4.101	66.700	66.720	0.500	3.190	0.749	60.500
26	1.300	4.265	83.550	83.579	1.238	4.680	1.481	46.100
27	1.350	4.429	87.880	87.917	1.432	5.920	1.629	51.200
28	1.400	4.593	56.780	56.820	1.598	6.370	2.812	65.500
29	1.450	4.757	36.360	36.381	0.906	3.380	2.490	65.800
30	1.500	4.921	43.790	43.835	0.773	7.280	1.763	61.800
31	1.550	5.085	32.960	32.969	0.492	1.510	1.492	51.600
32	1.600	5.249	22.860	22.849	0.382	-1.800	1.672	51.100
33	1.650	5.413	19.380	19.361	0.401	-3.040	2.071	41.700
34	1.700	5.577	33.450	33.448	0.609	-0.330	1.821	30.400
35	1.750	5.741	30.800	30.802	0.836	0.300	2.714	26.600
36	1.800	5.905	36.020	36.050	0.926	4.820	2.569	24.900
37	1.850	6.069	45.780	45.803	0.769	3.680	1.679	20.700
38	1.900	6.234	21.320	21.341	0.597	3.420	2.797	20.900
39	1.950	6.398	17.200	17.208	0.382	1.220	2.220	14.100
40	2.000	6.562	25.000	25.018	0.622	2.830	2.486	15.900
41	2.050	6.726	16.780	16.795	0.541	2.350	3.221	17.100
42	2.100	6.890	10.440	10.460	0.414	3.130	3.958	0.000
43	2.150	7.054	8.800	8.815	0.310	2.480	3.517	0.000
44	2.200	7.218	11.110	11.157	0.254	7.470	2.277	0.000
45	2.250	7.382	16.800	16.842	0.216	6.740	1.283	0.000
46	2.300	7.546	20.370	20.417	0.168	7.510	0.823	0.000
47	2.350	7.710	20.540	20.603	0.137	10.070	0.665	0.000
48	2.400	7.874	26.860	26.917	0.108	9.200	0.401	0.000
49	2.450	8.038	17.380	17.447	0.189	10.700	1.083	0.000
50	2.500	8.202	23.430	23.458	0.334	4.540	1.424	0.000
51	2.550	8.366	48.790	48.896	0.551	17.020	1.127	0.000
52	2.600	8.530	87.780	87.847	1.351	10.770	1.538	0.000
53	2.650	8.694	136.420	136.445	1.335	4.000	0.978	0.000
54	2.700	8.858	239.040	239.179	1.123	22.340	0.470	0.000
55	2.750	9.022	383.880	383.866	1.044	-2.310	0.272	0.000
56	2.800	9.186	395.280	395.262	0.000	-2.960	0.000	0.000
57	2.850	9.350	430.240	430.223	0.000	-2.690	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221524
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-2-2B
Cone ID:	226:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-24-2013
CPT Time:	11:10
CPT File:	13-53075_GP2-2B.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722038.736
Northing / Lat:	4294252.423
Elevation:	144.752
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	0.190	0.203	0.002	2.130	0.984	17.500
2	0.100	0.328	0.700	0.722	0.002	3.560	0.277	29.600
3	0.150	0.492	0.110	0.117	0.013	1.120	11.112	42.700
4	0.200	0.656	0.040	0.053	0.013	2.160	24.306	40.500
5	0.250	0.820	0.080	0.092	0.011	1.920	11.958	60.700
6	0.300	0.984	0.050	0.062	0.012	1.990	19.224	72.600
7	0.350	1.148	0.310	0.324	0.013	2.300	4.008	86.500
8	0.400	1.312	0.300	0.316	0.011	2.520	3.484	85.200
9	0.450	1.476	0.250	0.263	0.012	2.130	4.558	83.000
10	0.500	1.640	0.350	0.364	0.013	2.210	3.573	91.400
11	0.550	1.804	0.270	0.288	0.012	2.840	4.171	80.300
12	0.600	1.968	0.630	0.648	0.015	2.940	2.314	80.600
13	0.650	2.133	1.230	1.248	0.042	2.890	3.365	84.500
14	0.700	2.297	2.110	2.126	0.067	2.570	3.151	96.100
15	0.750	2.461	1.940	1.957	0.040	2.800	2.043	88.800
16	0.800	2.625	1.150	1.165	0.021	2.450	1.802	92.600
17	0.850	2.789	1.530	1.545	0.019	2.430	1.230	86.000
18	0.900	2.953	1.160	1.175	0.019	2.360	1.617	93.600
19	0.950	3.117	0.770	0.785	0.035	2.350	4.460	83.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	0.770	0.783	0.046	2.110	5.874	86.200
21	1.050	3.445	0.100	0.112	0.028	1.870	25.073	67.200
22	1.100	3.609	0.290	0.303	0.005	2.010	1.653	56.200
23	1.150	3.773	0.450	0.459	0.001	1.510	0.218	61.500
24	1.200	3.937	0.110	0.120	0.015	1.680	12.449	67.300
25	1.250	4.101	0.460	0.481	0.028	3.410	5.818	62.000
26	1.300	4.265	1.480	1.501	0.048	3.350	3.198	59.400
27	1.350	4.429	3.890	3.908	0.140	2.890	3.582	55.300
28	1.400	4.593	4.360	4.370	0.260	1.570	5.950	54.900
29	1.450	4.757	4.200	4.208	0.161	1.220	3.826	57.900
30	1.500	4.921	2.160	2.176	0.118	2.510	5.424	66.700
31	1.550	5.085	1.760	1.775	0.079	2.330	4.452	56.900
32	1.600	5.249	0.840	0.854	0.085	2.310	9.948	49.200
33	1.650	5.413	1.180	1.193	0.038	2.130	3.184	46.200
34	1.700	5.577	0.440	0.456	0.039	2.550	8.554	45.200
35	1.750	5.741	1.640	1.651	0.170	1.700	10.299	27.700
36	1.800	5.905	4.050	4.076	0.281	4.230	6.893	24.300
37	1.850	6.069	2.160	2.175	0.402	2.450	18.480	18.300
38	1.900	6.234	4.950	4.977	0.292	4.400	5.866	19.400
39	1.950	6.398	0.120	0.133	0.256	2.140	191.962	17.700
40	2.000	6.562	0.330	0.343	0.145	2.130	42.237	21.500
41	2.050	6.726	2.150	2.165	0.163	2.330	7.530	14.400
42	2.100	6.890	2.580	2.599	0.175	3.100	6.732	12.600
43	2.150	7.054	1.330	1.348	0.104	2.850	7.716	11.300
44	2.200	7.218	0.820	0.842	0.069	3.510	8.196	14.600
45	2.250	7.382	0.950	0.972	0.061	3.480	6.277	18.400
46	2.300	7.546	1.020	1.045	0.063	4.080	6.026	22.700
47	2.350	7.710	2.580	2.616	0.061	5.690	2.332	24.100
48	2.400	7.874	1.330	1.381	0.109	8.110	7.895	27.800
49	2.450	8.038	2.480	2.542	0.072	9.910	2.833	37.100
50	2.500	8.202	1.110	1.181	0.097	11.320	8.216	48.100
51	2.550	8.366	2.410	2.465	0.113	8.740	4.585	62.700
52	2.600	8.530	2.930	2.994	0.129	10.250	4.309	58.200
53	2.650	8.694	3.320	3.384	0.135	10.280	3.989	68.900
54	2.700	8.858	2.260	2.348	0.132	14.160	5.621	57.100
55	2.750	9.022	2.790	2.890	0.079	15.990	2.734	47.900
56	2.800	9.186	1.420	1.540	0.047	19.200	3.052	42.500
57	2.850	9.350	0.980	1.106	0.003	20.240	0.271	40.800
58	2.900	9.514	1.220	1.350	0.003	20.820	0.222	41.800
59	2.950	9.678	1.410	1.557	0.004	23.500	0.257	39.400
60	3.000	9.842	1.230	1.370	0.005	22.400	0.365	51.000
61	3.050	10.006	1.250	1.380	0.003	20.780	0.217	59.400
62	3.100	10.170	1.490	1.610	0.005	19.290	0.310	70.600
63	3.150	10.335	1.820	1.927	0.008	17.080	0.415	82.300
64	3.200	10.499	1.500	1.603	0.134	16.530	8.358	72.800
65	3.250	10.663	2.940	3.064	0.121	19.840	3.949	81.400
66	3.300	10.827	2.330	2.425	0.126	15.200	5.196	69.700
67	3.350	10.991	1.610	1.689	0.142	12.690	8.406	58.800
68	3.400	11.155	3.560	3.659	0.214	15.850	5.849	59.800
69	3.450	11.319	4.950	5.063	0.406	18.030	8.020	45.200
70	3.500	11.483	16.810	16.966	0.455	25.020	2.682	31.000
71	3.550	11.647	6.000	6.023	0.468	3.680	7.770	22.300
72	3.600	11.811	4.810	4.838	0.449	4.490	9.281	17.600
73	3.650	11.975	4.470	4.506	0.266	5.690	5.904	22.900
74	3.700	12.139	2.800	2.829	0.326	4.670	11.523	19.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	8.560	8.591	0.768	4.980	8.939	16.400
76	3.800	12.467	21.760	21.791	0.901	5.000	4.135	16.000
77	3.850	12.631	14.050	14.073	0.860	3.610	6.111	15.500
78	3.900	12.795	6.040	6.061	0.608	3.420	10.031	27.000
79	3.950	12.959	4.620	4.648	0.622	4.530	13.381	28.200
80	4.000	13.123	6.370	6.380	0.423	1.660	6.630	40.300
81	4.050	13.287	3.620	3.636	0.318	2.520	8.747	49.600
82	4.100	13.451	3.100	3.118	0.272	2.930	8.723	58.500
83	4.150	13.615	2.430	2.446	0.207	2.600	8.462	60.800
84	4.200	13.779	2.500	2.520	0.326	3.150	12.938	74.200
85	4.250	13.943	3.910	3.911	0.294	0.160	7.517	76.600
86	4.300	14.107	1.450	1.463	0.156	2.130	10.661	76.900
87	4.350	14.271	2.190	2.213	0.026	3.630	1.175	97.800
88	4.400	14.436	1.480	1.508	0.027	4.430	1.791	93.800
89	4.450	14.600	1.910	1.928	0.012	2.930	0.622	101.300
90	4.500	14.764	1.790	1.808	0.024	2.950	1.327	92.400
91	4.550	14.928	2.300	2.326	0.026	4.160	1.118	90.300
92	4.600	15.092	2.120	2.151	0.014	4.920	0.651	84.600
93	4.650	15.256	1.890	1.926	0.010	5.800	0.519	86.600
94	4.700	15.420	1.740	1.777	0.013	5.980	0.731	81.000
95	4.750	15.584	1.750	1.799	0.008	7.810	0.445	70.200
96	4.800	15.748	1.630	1.680	0.033	8.080	1.964	64.500
97	4.850	15.912	1.630	1.693	0.096	10.120	5.670	45.700
98	4.900	16.076	2.710	2.779	0.198	11.020	7.125	35.700
99	4.950	16.240	5.470	5.526	0.422	9.040	7.636	26.700
100	5.000	16.404	8.310	8.351	0.597	6.510	7.149	19.900
101	5.050	16.568	13.030	13.103	0.769	11.700	5.869	16.800
102	5.100	16.732	10.060	10.165	0.801	16.750	7.880	17.300
103	5.150	16.896	4.940	5.031	0.787	14.610	15.642	16.200
104	5.200	17.060	15.930	16.007	1.090	12.410	6.809	14.100
105	5.250	17.224	82.230	82.290	1.981	9.680	2.407	12.400
106	5.300	17.388	78.370	78.414	1.881	7.030	2.399	16.700
107	5.350	17.552	63.700	63.733	1.934	5.220	3.035	19.500
108	5.400	17.716	51.800	51.844	1.272	7.060	2.454	21.600
109	5.450	17.880	59.200	59.240	0.899	6.460	1.518	32.900
110	5.500	18.044	82.630	82.673	0.484	6.840	0.585	48.000
111	5.550	18.208	107.310	107.343	0.679	5.310	0.633	51.800
112	5.600	18.372	75.110	75.143	1.074	5.330	1.429	64.200
113	5.650	18.537	46.800	46.859	1.293	9.510	2.759	79.000
114	5.700	18.701	33.480	33.489	1.183	1.460	3.532	85.100
115	5.750	18.865	24.550	24.556	0.881	0.990	3.588	74.000
116	5.800	19.029	17.680	17.678	0.656	-0.400	3.711	63.900
117	5.850	19.193	13.320	13.314	0.336	-1.010	2.524	46.000
118	5.900	19.357	63.850	63.846	0.571	-0.650	0.894	38.300
119	5.950	19.521	57.730	57.769	0.856	6.240	1.482	29.600
120	6.000	19.685	25.230	25.267	0.854	5.860	3.380	24.300
121	6.050	19.849	23.620	23.658	1.122	6.120	4.743	22.200
122	6.100	20.013	36.760	36.804	0.893	7.010	2.426	16.000
123	6.150	20.177	56.930	56.961	1.185	4.950	2.080	20.100
124	6.200	20.341	64.570	64.609	1.049	6.270	1.624	17.300
125	6.250	20.505	45.640	45.673	1.054	5.210	2.308	18.600
126	6.300	20.669	25.890	25.926	1.071	5.750	4.131	23.300
127	6.350	20.833	17.640	17.672	0.864	5.170	4.889	30.500
128	6.400	20.997	13.950	14.114	0.514	26.260	3.642	34.200
129	6.450	21.161	15.110	15.174	0.350	10.230	2.307	30.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	20.040	20.091	0.377	8.110	1.876	41.300
131	6.550	21.489	11.500	11.544	0.352	7.100	3.049	40.600
132	6.600	21.653	9.890	9.943	0.353	8.550	3.550	52.400
133	6.650	21.817	6.200	6.267	0.195	10.690	3.112	47.800
134	6.700	21.981	3.620	3.680	0.262	9.560	7.120	48.700
135	6.750	22.145	17.420	17.487	0.473	10.770	2.705	59.400
136	6.800	22.309	41.380	41.464	0.839	13.480	2.023	77.100
137	6.850	22.473	46.290	46.316	1.044	4.090	2.254	66.500
138	6.900	22.638	53.660	53.695	1.061	5.670	1.976	61.300
139	6.950	22.802	41.970	41.999	0.980	4.650	2.333	54.500
140	7.000	22.966	21.200	21.215	0.807	2.330	3.804	31.900
141	7.050	23.130	12.720	12.733	0.460	2.130	3.613	25.300
142	7.100	23.294	8.170	8.209	0.348	6.200	4.239	22.900
143	7.150	23.458	8.640	8.702	0.454	10.000	5.217	28.100
144	7.200	23.622	61.900	61.954	0.805	8.580	1.299	24.100
145	7.250	23.786	38.330	38.524	1.312	31.050	3.406	30.700
146	7.300	23.950	49.670	49.813	1.376	22.880	2.762	35.500
147	7.350	24.114	100.990	101.058	1.294	10.820	1.280	57.300
148	7.400	24.278	42.100	42.163	1.215	10.060	2.882	69.200
149	7.450	24.442	44.090	44.157	1.074	10.700	2.432	88.300
150	7.500	24.606	52.000	52.068	1.056	10.930	2.028	87.900
151	7.550	24.770	48.290	48.379	1.188	14.220	2.456	92.900
152	7.600	24.934	62.220	62.309	1.240	14.320	1.990	100.100
153	7.650	25.098	49.700	49.774	1.340	11.920	2.692	90.700
154	7.700	25.262	46.520	46.589	1.203	11.090	2.582	70.200
155	7.750	25.426	31.130	31.189	0.939	9.420	3.011	66.700
156	7.800	25.590	18.510	18.557	0.680	7.510	3.664	43.600
157	7.850	25.754	23.190	23.225	0.485	5.630	2.088	33.800
158	7.900	25.918	14.720	14.758	0.573	6.090	3.883	26.700
159	7.950	26.082	25.280	25.313	0.870	5.360	3.437	31.200
160	8.000	26.246	55.290	55.330	1.116	6.480	2.017	28.500
161	8.050	26.410	27.950	27.993	1.297	6.910	4.633	22.500
162	8.100	26.574	20.200	20.230	1.411	4.780	6.975	21.500
163	8.150	26.739	21.130	21.175	0.764	7.200	3.608	16.800
164	8.200	26.903	34.000	34.061	0.962	9.850	2.824	13.500
165	8.250	27.067	50.650	50.698	1.095	7.650	2.160	14.200
166	8.300	27.231	25.650	25.724	0.694	11.860	2.698	14.600
167	8.350	27.395	20.150	20.211	0.462	9.730	2.286	17.700
168	8.400	27.559	101.800	101.866	0.432	10.540	0.424	16.000
169	8.450	27.723	128.960	129.017	0.372	9.070	0.288	14.600
170	8.500	27.887	103.600	103.648	0.613	7.680	0.591	13.900
171	8.550	28.051	97.210	97.257	0.731	7.530	0.752	15.700
172	8.600	28.215	108.590	108.636	0.928	7.360	0.854	15.300
173	8.650	28.379	116.550	116.595	1.114	7.170	0.955	12.300
174	8.700	28.543	105.860	105.904	0.703	7.040	0.664	25.300
175	8.750	28.707	50.110	50.149	0.221	6.230	0.441	29.200
176	8.800	28.871	50.180	50.217	0.303	5.900	0.603	50.300
177	8.850	29.035	64.930	65.003	0.593	11.730	0.912	55.400
178	8.900	29.199	76.230	76.401	0.976	27.360	1.277	60.800
179	8.950	29.363	90.500	90.559	1.468	9.400	1.621	62.700
180	9.000	29.527	74.810	74.852	1.675	6.730	2.238	54.900
181	9.050	29.691	50.510	50.579	1.868	11.070	3.693	41.300
182	9.100	29.855	49.730	49.781	1.543	8.120	3.100	39.300
183	9.150	30.019	71.760	71.813	1.546	8.460	2.153	31.200
184	9.200	30.183	94.800	94.844	1.704	7.110	1.797	24.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	70.190	70.228	2.822	6.060	4.018	26.700
186	9.300	30.511	84.440	84.472	2.406	5.110	2.848	18.300
187	9.350	30.675	96.710	96.746	2.415	5.800	2.496	18.000
188	9.400	30.840	53.150	53.183	1.975	5.220	3.714	22.100
189	9.450	31.004	42.450	42.558	1.526	17.230	3.586	23.200
190	9.500	31.168	50.240	50.347	1.706	17.070	3.389	36.900
191	9.550	31.332	70.580	70.691	1.704	17.760	2.410	35.000
192	9.600	31.496	47.910	47.992	1.416	13.180	2.950	53.300
193	9.650	31.660	77.880	77.951	1.382	11.440	1.773	82.200
194	9.700	31.824	67.260	67.312	1.361	8.350	2.022	92.800
195	9.750	31.988	41.020	41.073	1.202	8.450	2.927	100.700
196	9.800	32.152	31.280	31.313	1.162	5.220	3.711	103.800
197	9.850	32.316	30.720	30.754	0.892	5.430	2.900	98.600
198	9.900	32.480	21.750	21.783	0.912	5.210	4.187	105.900
199	9.950	32.644	25.100	25.137	0.937	5.850	3.728	117.500
200	10.000	32.808	62.670	62.723	1.162	8.480	1.853	141.400
201	10.050	32.972	96.130	96.182	1.353	8.350	1.407	195.200
202	10.100	33.136	107.250	107.300	1.825	8.080	1.701	227.400
203	10.150	33.300	98.860	98.906	1.826	7.320	1.846	365.800
204	10.200	33.464	101.570	101.615	1.706	7.260	1.679	575.000
205	10.250	33.628	114.070	114.112	1.832	6.700	1.605	999.100
206	10.300	33.792	34.620	34.652	1.560	5.060	4.502	1400.800
207	10.350	33.956	27.120	27.154	1.176	5.490	4.331	1600.000
208	10.400	34.120	23.590	23.625	1.313	5.540	5.558	1223.900
209	10.450	34.284	51.420	51.456	1.161	5.790	2.256	872.700
210	10.500	34.448	79.710	79.760	1.269	7.960	1.591	578.400
211	10.550	34.612	77.960	78.003	2.203	6.890	2.824	351.600
212	10.600	34.776	74.060	74.103	2.092	6.850	2.823	218.800
213	10.650	34.941	42.300	42.337	1.978	5.990	4.672	162.400
214	10.700	35.105	41.300	41.308	1.747	1.270	4.229	112.500
215	10.750	35.269	25.560	25.646	1.773	13.740	6.913	84.000
216	10.800	35.433	33.790	33.861	1.754	11.350	5.180	65.300
217	10.850	35.597	50.260	50.319	1.095	9.470	2.176	54.100
218	10.900	35.761	26.550	26.590	1.071	6.370	4.028	57.400
219	10.950	35.925	35.560	35.599	0.966	6.210	2.714	52.200
220	11.000	36.089	32.950	32.977	0.880	4.290	2.669	40.000
221	11.050	36.253	43.420	43.435	0.788	2.390	1.814	26.800
222	11.100	36.417	46.270	46.289	0.721	2.970	1.558	32.600
223	11.150	36.581	43.720	43.766	1.044	7.320	2.385	18.800
224	11.200	36.745	27.660	27.677	1.048	2.790	3.786	23.500
225	11.250	36.909	26.370	26.398	0.938	4.530	3.553	24.000
226	11.300	37.073	57.430	57.451	0.798	3.350	1.389	24.200
227	11.350	37.237	58.920	58.958	1.119	6.100	1.898	19.300
228	11.400	37.401	43.150	43.190	1.432	6.470	3.316	27.800
229	11.450	37.565	54.010	54.041	1.081	4.990	2.000	42.600
230	11.500	37.729	54.040	54.067	1.193	4.290	2.207	43.500
231	11.550	37.893	45.990	46.012	1.558	3.490	3.386	43.700
232	11.600	38.057	103.740	103.750	2.046	1.550	1.972	41.000
233	11.650	38.221	85.390	85.388	1.873	-0.380	2.194	41.500
234	11.700	38.385	72.150	72.165	1.816	2.430	2.516	36.400
235	11.750	38.549	69.490	69.487	1.185	-0.480	1.705	30.700
236	11.800	38.713	44.830	44.842	1.379	1.920	3.075	24.900
237	11.850	38.877	51.430	51.467	1.309	5.910	2.543	18.200
238	11.900	39.042	35.750	35.773	1.567	3.720	4.380	18.300
239	11.950	39.206	48.010	48.030	0.770	3.220	1.603	19.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	45.010	45.021	0.711	1.800	1.579	23.100
241	12.050	39.534	34.820	34.830	0.613	1.530	1.760	19.200
242	12.100	39.698	34.140	34.156	1.291	2.640	3.780	19.200
243	12.150	39.862	29.860	29.878	0.657	2.900	2.199	20.300
244	12.200	40.026	50.400	50.423	0.952	3.640	1.888	23.500
245	12.250	40.190	67.090	67.122	1.097	5.150	1.634	26.200
246	12.300	40.354	37.980	38.010	1.066	4.740	2.805	35.900
247	12.350	40.518	33.910	33.930	0.794	3.200	2.340	43.900
248	12.400	40.682	17.270	17.285	0.370	2.360	2.141	0.000
249	12.450	40.846	11.430	11.441	0.145	1.690	1.267	0.000
250	12.500	41.010	8.530	8.538	0.090	1.360	1.054	0.000
251	12.550	41.174	3.250	3.261	0.098	1.700	3.006	0.000
252	12.600	41.338	2.370	2.384	0.147	2.250	6.166	0.000
253	12.650	41.502	2.550	2.574	0.190	3.890	7.381	0.000
254	12.700	41.666	19.710	19.749	0.481	6.250	2.436	0.000
255	12.750	41.830	30.530	30.549	0.824	3.020	2.697	0.000
256	12.800	41.994	46.630	46.641	1.066	1.750	2.286	0.000
257	12.850	42.158	35.950	35.980	1.171	4.800	3.255	0.000
258	12.900	42.322	34.440	34.521	0.962	13.020	2.787	0.000
259	12.950	42.486	35.430	35.501	0.936	11.330	2.637	0.000
260	13.000	42.650	41.330	41.352	1.009	3.490	2.440	0.000
261	13.050	42.814	39.700	39.737	1.104	6.000	2.778	0.000
262	13.100	42.978	41.370	41.410	0.000	6.430	0.000	0.000
263	13.150	43.143	32.830	32.861	0.000	4.990	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221525
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-2-2C
Cone ID:	224:T1500F15U500
Operator:	DC/YB/AD
CPT Date:	Feb-20-2014
CPT Time:	10:53
CPT File:	13-53075_GP2-2C.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722039.578
Northing / Lat:	4294253.716
Elevation:	144.742
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	2.900	2.961	0.002	9.730	0.068	36.700
2	0.100	0.328	16.080	16.134	0.088	8.630	0.545	50.900
3	0.150	0.492	29.920	29.947	0.146	4.390	0.488	55.200
4	0.200	0.656	35.290	35.314	0.245	3.900	0.694	78.300
5	0.250	0.820	64.220	64.257	0.621	5.860	0.966	68.700
6	0.300	0.984	128.600	128.643	1.133	6.870	0.881	87.100
7	0.350	1.148	115.320	115.371	1.772	8.240	1.536	86.100
8	0.400	1.312	118.290	118.275	1.811	-2.380	1.531	76.700
9	0.450	1.476	139.070	139.057	2.018	-2.050	1.451	66.000
10	0.500	1.640	156.810	156.846	2.405	5.730	1.533	76.000
11	0.550	1.804	150.910	150.897	2.787	-2.010	1.847	61.500
12	0.600	1.968	125.550	125.525	2.986	-3.940	2.379	86.100
13	0.650	2.133	98.450	98.420	2.940	-4.760	2.987	81.400
14	0.700	2.297	79.290	79.261	2.818	-4.640	3.555	88.500
15	0.750	2.461	76.900	76.890	2.309	-1.640	3.003	78.500
16	0.800	2.625	84.890	84.896	2.195	1.040	2.586	78.400
17	0.850	2.789	88.140	88.106	2.017	-5.410	2.289	100.700
18	0.900	2.953	83.270	83.225	1.969	-7.170	2.366	90.700
19	0.950	3.117	76.910	76.866	2.013	-7.010	2.619	78.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	79.780	79.734	2.114	-7.290	2.651	78.700
21	1.050	3.445	85.570	85.527	2.047	-6.920	2.393	85.700
22	1.100	3.609	93.940	93.898	2.120	-6.760	2.258	71.700
23	1.150	3.773	122.750	122.700	1.929	-8.010	1.572	72.100
24	1.200	3.937	51.500	51.469	1.479	-4.890	2.874	73.600
25	1.250	4.101	27.320	27.301	1.077	-3.090	3.945	77.200
26	1.300	4.265	23.140	23.132	0.609	-1.260	2.633	73.500
27	1.350	4.429	31.660	31.660	0.642	0.060	2.028	74.800
28	1.400	4.593	23.310	23.319	0.631	1.410	2.706	80.600
29	1.450	4.757	15.600	15.596	0.634	-0.570	4.065	72.600
30	1.500	4.921	33.320	33.340	0.534	3.240	1.602	57.600
31	1.550	5.085	30.650	30.635	0.542	-2.470	1.769	66.200
32	1.600	5.249	27.840	27.827	0.600	-2.060	2.156	62.400
33	1.650	5.413	21.830	21.821	0.698	-1.460	3.199	52.400
34	1.700	5.577	20.710	20.698	0.730	-1.970	3.527	35.900
35	1.750	5.741	23.810	23.789	0.553	-3.390	2.325	34.900
36	1.800	5.905	25.920	25.911	0.482	-1.470	1.860	28.500
37	1.850	6.069	29.000	29.073	0.692	11.670	2.380	26.600
38	1.900	6.234	30.140	30.186	0.619	7.380	2.051	22.500
39	1.950	6.398	25.720	25.763	0.748	6.810	2.903	17.300
40	2.000	6.562	55.490	55.513	0.823	3.700	1.483	12.100
41	2.050	6.726	55.880	55.928	0.686	7.650	1.227	16.400
42	2.100	6.890	100.290	100.313	0.442	3.610	0.441	13.400
43	2.150	7.054	138.490	138.508	0.465	2.840	0.336	17.000
44	2.200	7.218	138.870	139.256	0.658	61.820	0.473	12.100
45	2.250	7.382	35.650	35.685	0.963	5.610	2.699	12.100
46	2.300	7.546	22.850	22.915	0.754	10.370	3.290	8.200
47	2.350	7.710	17.300	17.297	0.813	-0.530	4.700	15.500
48	2.400	7.874	10.790	10.740	0.622	-8.050	5.792	18.600
49	2.450	8.038	9.750	9.834	0.465	13.490	4.728	32.500
50	2.500	8.202	6.880	6.940	0.541	9.680	7.795	26.400
51	2.550	8.366	25.050	25.431	0.814	61.100	3.201	42.400
52	2.600	8.530	29.130	29.453	1.003	51.770	3.405	48.500
53	2.650	8.694	23.660	23.748	0.619	14.060	2.607	42.700
54	2.700	8.858	173.070	173.153	0.505	13.320	0.292	42.500
55	2.750	9.022	191.790	191.790	0.614	0.010	0.320	36.900
56	2.800	9.186	132.350	132.348	0.806	-0.390	0.609	47.100
57	2.850	9.350	86.260	86.250	1.145	-1.570	1.328	45.200
58	2.900	9.514	55.370	55.368	1.113	-0.280	2.010	54.400
59	2.950	9.678	24.410	24.416	1.014	1.000	4.153	75.000
60	3.000	9.842	16.920	16.956	0.631	5.740	3.721	67.800
61	3.050	10.006	42.080	42.289	1.063	33.550	2.514	72.100
62	3.100	10.170	60.360	60.387	1.460	4.300	2.418	85.500
63	3.150	10.335	57.550	57.571	1.439	3.340	2.500	75.000
64	3.200	10.499	48.280	48.266	1.172	-2.280	2.428	81.700
65	3.250	10.663	34.780	34.718	0.960	-9.970	2.765	65.300
66	3.300	10.827	24.270	24.222	0.915	-7.640	3.778	52.500
67	3.350	10.991	22.200	22.183	0.525	-2.680	2.367	42.200
68	3.400	11.155	28.550	28.549	0.657	-0.230	2.301	31.500
69	3.450	11.319	60.580	60.599	0.951	2.970	1.569	23.800
70	3.500	11.483	94.780	94.797	1.414	2.710	1.492	18.000
71	3.550	11.647	81.020	81.104	1.756	13.470	2.165	17.600
72	3.600	11.811	85.380	85.415	2.377	5.590	2.783	13.900
73	3.650	11.975	98.060	98.094	2.682	5.410	2.734	18.900
74	3.700	12.139	67.800	67.930	2.418	20.750	3.560	16.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	41.400	41.386	1.971	-2.260	4.762	16.500
76	3.800	12.467	45.880	45.899	1.214	3.060	2.645	14.500
77	3.850	12.631	39.330	39.321	1.165	-1.440	2.963	14.700
78	3.900	12.795	32.910	32.967	0.817	9.200	2.478	17.800
79	3.950	12.959	34.570	34.570	0.807	0.020	2.334	25.800
80	4.000	13.123	31.040	31.065	0.616	4.060	1.983	22.800
81	4.050	13.287	21.800	21.841	0.554	6.500	2.537	29.500
82	4.100	13.451	23.570	23.564	0.450	-0.960	1.910	31.900
83	4.150	13.615	14.430	14.441	0.307	1.740	2.126	36.900
84	4.200	13.779	20.140	20.127	0.501	-2.130	2.489	45.700
85	4.250	13.943	58.850	58.847	0.983	-0.480	1.670	50.400
86	4.300	14.107	63.000	63.033	1.094	5.250	1.736	62.800
87	4.350	14.271	18.140	18.119	0.965	-3.310	5.326	77.800
88	4.400	14.436	12.300	12.347	0.586	7.530	4.746	80.000
89	4.450	14.600	9.900	9.954	0.206	8.730	2.069	79.600
90	4.500	14.764	8.250	8.347	0.191	15.470	2.288	74.100
91	4.550	14.928	7.710	7.771	0.362	9.750	4.658	65.400
92	4.600	15.092	6.890	6.919	0.301	4.620	4.350	54.200
93	4.650	15.256	24.410	24.451	0.233	6.540	0.953	42.900
94	4.700	15.420	24.520	24.538	0.444	2.960	1.809	32.300
95	4.750	15.584	26.160	26.187	0.258	4.340	0.985	27.900
96	4.800	15.748	22.010	22.047	0.216	5.880	0.980	19.100
97	4.850	15.912	1.350	1.333	0.151	-2.700	11.327	16.800
98	4.900	16.076	15.010	15.027	0.169	2.710	1.125	16.900
99	4.950	16.240	33.390	33.370	0.343	-3.210	1.028	10.500
100	5.000	16.404	25.010	25.055	0.377	7.160	1.505	13.400
101	5.050	16.568	22.700	22.762	0.586	9.900	2.574	14.000
102	5.100	16.732	23.540	23.601	0.595	9.780	2.521	12.000
103	5.150	16.896	42.940	42.967	0.601	4.320	1.399	17.000
104	5.200	17.060	59.900	59.918	0.622	2.960	1.038	23.300
105	5.250	17.224	54.280	54.338	0.761	9.220	1.401	21.400
106	5.300	17.388	42.620	42.626	0.539	0.890	1.264	17.100
107	5.350	17.552	110.230	110.255	0.238	4.000	0.216	28.100
108	5.400	17.716	158.890	158.905	0.361	2.360	0.227	35.200
109	5.450	17.880	131.220	131.195	0.622	-3.940	0.474	62.000
110	5.500	18.044	74.510	74.525	0.894	2.380	1.200	74.300
111	5.550	18.208	41.610	41.595	1.019	-2.450	2.450	64.000
112	5.600	18.372	24.220	24.310	0.874	14.480	3.595	78.000
113	5.650	18.537	19.460	19.571	0.783	17.820	4.001	70.900
114	5.700	18.701	20.660	20.778	0.568	18.900	2.734	49.000
115	5.750	18.865	39.860	39.939	0.634	12.630	1.587	37.400
116	5.800	19.029	42.090	42.095	0.895	0.750	2.126	30.400
117	5.850	19.193	36.490	36.606	1.387	18.610	3.789	21.100
118	5.900	19.357	29.020	29.304	1.037	45.540	3.539	20.600
119	5.950	19.521	21.280	21.238	0.879	-6.660	4.139	10.700
120	6.000	19.685	33.770	33.789	1.338	2.970	3.960	19.000
121	6.050	19.849	50.500	50.569	1.398	11.010	2.765	13.900
122	6.100	20.013	73.150	73.360	2.509	33.590	3.420	15.000
123	6.150	20.177	194.100	194.207	3.826	17.210	1.970	17.900
124	6.200	20.341	68.110	68.220	3.659	17.640	5.364	17.300
125	6.250	20.505	34.090	34.523	1.595	69.420	4.620	16.600
126	6.300	20.669	101.190	101.674	0.361	77.530	0.355	15.800
127	6.350	20.833	70.260	70.311	0.472	8.140	0.671	22.100
128	6.400	20.997	44.020	44.078	0.612	9.280	1.388	50.200
129	6.450	21.161	41.000	41.110	0.738	17.550	1.795	46.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	36.390	36.470	0.838	12.780	2.298	50.200
131	6.550	21.489	66.890	66.970	1.241	12.760	1.853	50.300
132	6.600	21.653	100.650	100.783	1.371	21.270	1.360	58.400
133	6.650	21.817	46.460	46.502	1.581	6.750	3.400	64.300
134	6.700	21.981	45.550	45.596	1.216	7.370	2.667	68.700
135	6.750	22.145	30.430	30.437	0.469	1.170	1.541	71.300
136	6.800	22.309	17.410	17.410	0.566	0.050	3.251	59.400
137	6.850	22.473	11.660	11.661	0.298	0.140	2.556	42.700
138	6.900	22.638	30.130	30.136	0.520	0.920	1.726	29.300
139	6.950	22.802	42.120	42.255	0.787	21.600	1.863	26.900
140	7.000	22.966	29.590	29.674	0.886	13.480	2.986	31.400
141	7.050	23.130	30.500	30.627	0.571	20.360	1.864	34.500
142	7.100	23.294	29.980	30.087	0.858	17.170	2.852	31.700
143	7.150	23.458	48.220	48.319	0.820	15.880	1.697	41.300
144	7.200	23.622	18.120	18.178	0.865	9.350	4.758	60.000
145	7.250	23.786	27.520	27.822	0.625	48.360	2.246	76.600
146	7.300	23.950	55.960	56.026	0.710	10.540	1.267	86.900
147	7.350	24.114	68.300	68.346	0.824	7.430	1.206	97.300
148	7.400	24.278	69.800	69.991	1.120	30.630	1.600	80.600
149	7.450	24.442	64.380	64.475	1.331	15.260	2.064	85.800
150	7.500	24.606	69.030	69.345	1.493	50.380	2.153	87.800
151	7.550	24.770	82.920	82.980	1.490	9.570	1.796	78.100
152	7.600	24.934	86.430	86.440	1.585	1.680	1.834	64.100
153	7.650	25.098	61.120	61.101	1.570	-3.030	2.570	52.500
154	7.700	25.262	48.180	48.195	1.573	2.450	3.264	39.800
155	7.750	25.426	44.300	44.399	1.400	15.820	3.153	26.100
156	7.800	25.590	31.290	31.637	1.555	55.580	4.915	24.900
157	7.850	25.754	43.860	44.290	1.359	68.810	3.068	26.200
158	7.900	25.918	34.550	34.952	1.407	64.460	4.025	22.300
159	7.950	26.082	36.270	36.273	1.562	0.420	4.306	16.900
160	8.000	26.246	23.720	23.822	1.412	16.410	5.927	23.000
161	8.050	26.410	83.180	83.379	1.574	31.800	1.888	36.400
162	8.100	26.574	93.420	93.576	1.711	24.990	1.828	23.000
163	8.150	26.739	56.950	56.972	2.149	3.480	3.772	17.000
164	8.200	26.903	52.120	52.163	1.826	6.890	3.501	12.300
165	8.250	27.067	43.760	44.573	1.550	130.230	3.477	13.600
166	8.300	27.231	54.980	55.039	1.676	9.380	3.045	12.900
167	8.350	27.395	69.350	69.525	1.633	28.050	2.349	15.700
168	8.400	27.559	87.710	87.873	1.535	26.160	1.747	12.800
169	8.450	27.723	88.800	88.902	1.347	16.380	1.515	13.400
170	8.500	27.887	75.070	75.138	1.118	10.900	1.488	12.900
171	8.550	28.051	74.640	74.723	0.977	13.350	1.307	12.500
172	8.600	28.215	56.020	56.066	0.947	7.400	1.689	20.600
173	8.650	28.379	41.210	41.264	3.725	8.650	9.027	38.600
174	8.700	28.543	41.760	41.822	3.034	9.880	7.255	44.000
175	8.750	28.707	139.660	139.735	3.257	11.960	2.331	27.800
176	8.800	28.871	162.510	162.574	3.723	10.300	2.290	57.600
177	8.850	29.035	170.480	170.552	0.931	11.460	0.546	59.700
178	8.900	29.199	50.600	50.598	0.623	-0.300	1.231	55.100
179	8.950	29.363	40.740	40.846	0.724	16.920	1.773	50.300
180	9.000	29.527	78.050	78.171	0.834	19.310	1.067	41.700
181	9.050	29.691	44.220	44.252	0.747	5.100	1.688	45.900
182	9.100	29.855	31.960	32.009	0.648	7.770	2.024	38.800
183	9.150	30.019	30.100	30.148	0.446	7.730	1.479	29.500
184	9.200	30.183	48.160	48.193	0.505	5.350	1.048	28.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	21.960	22.210	0.356	39.990	1.603	32.300
186	9.300	30.511	31.970	32.000	0.403	4.730	1.259	31.800
187	9.350	30.675	32.820	32.840	0.219	3.220	0.667	41.800
188	9.400	30.840	29.890	29.927	0.436	5.980	1.457	43.400
189	9.450	31.004	22.900	22.955	0.427	8.850	1.860	61.200
190	9.500	31.168	26.600	26.620	0.483	3.190	1.814	85.100
191	9.550	31.332	26.890	26.916	0.549	4.210	2.040	130.300
192	9.600	31.496	18.870	18.895	0.580	3.970	3.070	187.200
193	9.650	31.660	15.920	15.956	0.573	5.750	3.591	211.200
194	9.700	31.824	13.730	13.743	0.441	2.100	3.209	251.400
195	9.750	31.988	23.360	23.401	0.609	6.590	2.602	247.500
196	9.800	32.152	27.030	27.086	0.827	8.950	3.053	269.600
197	9.850	32.316	35.420	35.528	1.081	17.230	3.043	308.400
198	9.900	32.480	38.920	38.990	1.400	11.180	3.591	315.100
199	9.950	32.644	38.680	38.722	1.063	6.750	2.745	255.400
200	10.000	32.808	65.140	65.195	0.809	8.810	1.241	163.300
201	10.050	32.972	69.200	69.213	0.349	2.050	0.504	118.000
202	10.100	33.136	74.550	74.557	0.776	1.120	1.041	82.300
203	10.150	33.300	61.530	61.527	1.020	-0.500	1.658	71.800
204	10.200	33.464	47.470	47.478	1.717	1.360	3.616	52.600
205	10.250	33.628	56.120	56.160	1.586	6.430	2.824	47.100
206	10.300	33.792	35.740	35.778	1.433	6.080	4.005	43.500
207	10.350	33.956	28.220	28.255	1.097	5.650	3.882	38.400
208	10.400	34.120	51.240	51.298	0.838	9.270	1.634	34.500
209	10.450	34.284	50.990	51.009	1.427	3.020	2.798	34.600
210	10.500	34.448	72.310	72.335	2.480	3.960	3.429	39.600
211	10.550	34.612	80.700	80.707	2.609	1.150	3.233	27.900
212	10.600	34.776	63.360	63.360	2.457	-0.060	3.878	24.500
213	10.650	34.941	46.520	46.560	2.555	6.430	5.488	22.700
214	10.700	35.105	25.750	25.765	1.876	2.380	7.281	17.600
215	10.750	35.269	17.440	17.526	1.271	13.710	7.252	25.000
216	10.800	35.433	118.670	118.686	1.786	2.550	1.505	20.700
217	10.850	35.597	86.980	87.034	1.637	8.720	1.881	21.200
218	10.900	35.761	162.050	162.083	3.512	5.260	2.167	19.600
219	10.950	35.925	148.190	148.285	3.936	15.210	2.654	19.100
220	11.000	36.089	66.780	67.360	3.231	92.880	4.797	11.700
221	11.050	36.253	76.640	76.716	2.672	12.140	3.483	13.400
222	11.100	36.417	67.830	68.004	2.102	27.910	3.091	4.000
223	11.150	36.581	88.580	88.609	2.228	4.640	2.514	17.400
224	11.200	36.745	117.000	117.113	2.759	18.030	2.356	16.000
225	11.250	36.909	85.870	85.928	2.281	9.230	2.655	36.600
226	11.300	37.073	65.050	65.089	1.907	6.190	2.930	33.800
227	11.350	37.237	56.250	56.290	1.629	6.480	2.894	48.100
228	11.400	37.401	57.060	57.112	1.706	8.370	2.987	35.500
229	11.450	37.565	40.930	41.011	1.460	12.900	3.560	34.400
230	11.500	37.729	53.290	53.525	1.655	37.650	3.092	34.900
231	11.550	37.893	69.600	69.625	1.593	3.930	2.288	31.100
232	11.600	38.057	51.470	51.567	1.740	15.590	3.374	23.500
233	11.650	38.221	66.990	67.184	1.895	31.140	2.821	22.200
234	11.700	38.385	89.180	89.340	2.752	25.660	3.080	17.800
235	11.750	38.549	97.680	97.938	3.151	41.280	3.217	20.800
236	11.800	38.713	83.120	83.347	2.983	36.380	3.579	18.400
237	11.850	38.877	69.670	69.849	2.974	28.610	4.258	26.500
238	11.900	39.042	74.560	74.552	2.704	-1.290	3.627	25.100
239	11.950	39.206	53.810	53.834	2.054	3.770	3.815	30.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	19.240	19.267	1.298	4.400	6.737	18.000
241	12.050	39.534	28.430	28.407	0.904	-3.610	3.182	34.100
242	12.100	39.698	23.820	23.879	0.867	9.490	3.631	39.800
243	12.150	39.862	20.810	20.874	1.104	10.320	5.289	45.400
244	12.200	40.026	33.270	33.449	0.930	28.660	2.780	55.000
245	12.250	40.190	39.250	39.296	0.857	7.380	2.181	57.800
246	12.300	40.354	50.290	50.335	1.553	7.140	3.085	69.900
247	12.350	40.518	49.610	49.736	1.864	20.180	3.748	59.700
248	12.400	40.682	51.580	51.645	1.873	10.390	3.627	73.200
249	12.450	40.846	46.220	46.304	2.028	13.530	4.380	58.500
250	12.500	41.010	36.720	36.780	1.590	9.590	4.323	48.500
251	12.550	41.174	33.820	33.914	1.322	15.060	3.898	42.100
252	12.600	41.338	34.790	34.927	1.450	22.010	4.151	22.800
253	12.650	41.502	43.600	43.750	1.446	23.970	3.305	19.800
254	12.700	41.666	75.480	75.596	1.917	18.590	2.536	14.200
255	12.750	41.830	60.120	60.153	2.075	5.300	3.450	19.800
256	12.800	41.994	58.770	58.843	1.789	11.640	3.040	21.200
257	12.850	42.158	69.230	69.324	2.025	15.130	2.921	20.800
258	12.900	42.322	116.060	116.155	2.933	15.260	2.525	21.300
259	12.950	42.486	163.190	163.235	3.212	7.220	1.968	0.000
260	13.000	42.650	96.270	96.320	3.901	8.030	4.050	0.000
261	13.050	42.814	123.730	123.804	2.724	11.820	2.200	0.000
262	13.100	42.978	54.780	54.761	1.790	-3.050	3.269	0.000
263	13.150	43.143	31.180	31.123	1.536	-9.210	4.935	0.000
264	13.200	43.307	55.750	55.763	0.820	2.080	1.471	0.000
265	13.250	43.471	55.140	55.168	0.920	4.420	1.668	0.000
266	13.300	43.635	46.770	46.815	1.070	7.240	2.286	0.000
267	13.350	43.799	33.340	33.375	1.415	5.660	4.240	0.000
268	13.400	43.963	51.740	51.822	1.749	13.070	3.375	0.000
269	13.450	44.127	171.920	171.951	2.580	5.010	1.500	0.000
270	13.500	44.291	92.770	92.779	2.515	1.400	2.711	0.000
271	13.550	44.455	20.310	20.418	2.569	17.320	12.582	0.000
272	13.600	44.619	72.670	72.918	3.655	39.690	5.012	0.000
273	13.650	44.783	132.330	132.523	0.000	30.950	0.000	0.000
274	13.700	44.947	257.940	258.030	0.000	14.490	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221527
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-2-3
Cone ID:	226:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-24-2013
CPT Time:	13:33
CPT File:	13-53075_GP2-3.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722043.250
Northing / Lat:	4294235.699
Elevation:	145.158
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	1.660	1.663	0.010	0.520	0.601	0.000
2	0.100	0.328	43.130	43.147	0.111	2.670	0.257	0.000
3	0.150	0.492	23.200	23.208	0.498	1.270	2.146	0.000
4	0.200	0.656	37.420	37.453	0.302	5.360	0.806	0.000
5	0.250	0.820	108.210	108.248	0.000	6.100	0.000	0.000
6	0.300	0.984	494.170	494.169	0.000	-0.220	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221528
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-2-3A
Cone ID:	226:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-24-2013
CPT Time:	13:50
CPT File:	13-53075_GP2-3A.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722043.135
Northing / Lat:	4294235.623
Elevation:	145.158
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	0.620	0.664	0.003	6.980	0.452	26.100
2	0.100	0.328	0.620	0.652	0.002	5.160	0.307	38.800
3	0.150	0.492	1.090	1.118	0.001	4.440	0.089	32.500
4	0.200	0.656	0.880	0.894	0.002	2.250	0.224	32.400
5	0.250	0.820	1.010	1.026	0.002	2.510	0.195	25.900
6	0.300	0.984	0.980	1.000	0.003	3.230	0.300	22.300
7	0.350	1.148	1.930	1.954	0.002	3.770	0.102	18.600
8	0.400	1.312	2.620	2.638	0.001	2.830	0.038	13.900
9	0.450	1.476	3.270	3.279	0.007	1.400	0.213	18.700
10	0.500	1.640	3.340	3.344	0.006	0.690	0.179	15.500
11	0.550	1.804	1.010	1.004	0.028	-0.940	2.788	19.200
12	0.600	1.968	1.220	1.224	0.012	0.660	0.980	23.200
13	0.650	2.133	0.700	0.711	0.001	1.820	0.141	25.000
14	0.700	2.297	0.550	0.561	0.002	1.840	0.356	35.900
15	0.750	2.461	0.230	0.232	0.003	0.280	1.295	37.700
16	0.800	2.625	0.800	0.798	0.004	-0.390	0.502	37.500
17	0.850	2.789	1.380	1.386	0.006	0.950	0.433	46.600
18	0.900	2.953	2.150	2.152	0.024	0.290	1.115	54.800
19	0.950	3.117	2.640	2.641	0.022	0.170	0.833	56.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	3.120	3.171	0.005	8.090	0.158	71.500
21	1.050	3.445	1.620	1.619	0.065	-0.150	4.015	78.600
22	1.100	3.609	3.060	3.059	0.116	-0.100	3.792	87.800
23	1.150	3.773	3.390	3.391	0.111	0.160	3.273	82.700
24	1.200	3.937	3.570	3.572	0.089	0.390	2.491	82.400
25	1.250	4.101	2.030	2.034	0.065	0.580	3.196	94.400
26	1.300	4.265	1.790	1.795	0.013	0.770	0.724	89.100
27	1.350	4.429	1.230	1.235	0.015	0.860	1.214	91.300
28	1.400	4.593	0.920	0.928	0.055	1.290	5.926	94.300
29	1.450	4.757	2.020	2.030	0.071	1.610	3.497	84.400
30	1.500	4.921	1.020	1.028	0.068	1.250	6.616	78.300
31	1.550	5.085	0.980	0.988	0.080	1.280	8.097	52.400
32	1.600	5.249	2.470	2.481	0.220	1.690	8.869	45.900
33	1.650	5.413	6.950	6.971	0.356	3.320	5.107	39.300
34	1.700	5.577	10.290	10.312	0.541	3.600	5.246	25.300
35	1.750	5.741	13.600	13.629	0.459	4.670	3.368	24.800
36	1.800	5.905	10.220	10.252	0.373	5.060	3.638	25.700
37	1.850	6.069	9.160	9.194	0.630	5.520	6.852	23.200
38	1.900	6.234	11.460	11.510	0.360	8.050	3.128	26.700
39	1.950	6.398	6.080	6.138	0.362	9.280	5.898	24.300
40	2.000	6.562	6.790	6.849	0.472	9.450	6.892	24.300
41	2.050	6.726	7.660	7.719	0.352	9.410	4.560	35.100
42	2.100	6.890	16.750	16.806	0.396	9.020	2.356	40.800
43	2.150	7.054	17.700	17.825	0.489	19.990	2.743	45.600
44	2.200	7.218	10.110	10.146	0.561	5.690	5.530	53.100
45	2.250	7.382	9.340	9.375	0.284	5.660	3.029	63.100
46	2.300	7.546	2.370	2.392	0.195	3.490	8.153	69.900
47	2.350	7.710	3.370	3.403	0.118	5.280	3.468	74.300
48	2.400	7.874	2.820	2.845	0.056	4.020	1.968	77.300
49	2.450	8.038	6.260	6.329	0.102	11.130	1.612	64.200
50	2.500	8.202	2.860	2.874	0.067	2.270	2.331	66.500
51	2.550	8.366	2.300	2.315	0.071	2.470	3.066	68.000
52	2.600	8.530	3.450	3.470	0.044	3.260	1.268	57.000
53	2.650	8.694	2.920	2.943	0.058	3.650	1.971	50.100
54	2.700	8.858	2.790	2.813	0.156	3.640	5.546	38.600
55	2.750	9.022	3.690	3.712	0.192	3.470	5.173	27.700
56	2.800	9.186	3.570	3.592	0.162	3.560	4.510	21.000
57	2.850	9.350	5.880	5.910	0.234	4.840	3.959	18.400
58	2.900	9.514	5.940	5.994	0.265	8.620	4.421	17.300
59	2.950	9.678	6.220	6.275	0.365	8.860	5.816	20.700
60	3.000	9.842	8.240	8.344	0.649	16.630	7.778	17.000
61	3.050	10.006	13.020	13.154	0.751	21.420	5.709	12.700
62	3.100	10.170	10.290	10.448	0.832	25.360	7.963	19.400
63	3.150	10.335	8.130	8.261	0.775	20.920	9.382	19.100
64	3.200	10.499	5.950	6.015	0.383	10.360	6.368	22.500
65	3.250	10.663	3.670	3.696	0.216	4.110	5.845	28.000
66	3.300	10.827	5.090	5.142	0.238	8.360	4.628	22.200
67	3.350	10.991	7.940	7.964	0.293	3.800	3.679	32.800
68	3.400	11.155	6.210	6.308	0.386	15.730	6.119	39.800
69	3.450	11.319	7.980	7.960	0.467	-3.140	5.867	55.300
70	3.500	11.483	12.980	13.057	0.310	12.360	2.374	63.700
71	3.550	11.647	3.600	3.792	0.238	30.750	6.276	75.200
72	3.600	11.811	4.180	4.340	0.081	25.590	1.866	88.400
73	3.650	11.975	3.000	3.167	0.183	26.720	5.779	88.300
74	3.700	12.139	3.510	3.671	0.185	25.770	5.040	85.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	10.010	11.153	0.239	183.110	2.143	76.900
76	3.800	12.467	26.440	27.929	0.327	238.540	1.171	71.100
77	3.850	12.631	30.100	30.500	0.455	64.130	1.492	56.800
78	3.900	12.795	23.540	23.631	0.508	14.500	2.150	34.200
79	3.950	12.959	32.800	32.877	0.686	12.410	2.087	30.300
80	4.000	13.123	26.820	26.915	0.684	15.220	2.541	21.900
81	4.050	13.287	21.380	21.476	1.114	15.330	5.187	23.600
82	4.100	13.451	56.970	57.046	1.051	12.200	1.842	13.900
83	4.150	13.615	50.810	50.863	1.408	8.440	2.768	11.800
84	4.200	13.779	45.040	45.089	1.291	7.920	2.863	9.400
85	4.250	13.943	40.580	40.594	0.843	2.200	2.077	13.000
86	4.300	14.107	49.680	49.751	1.069	11.350	2.149	15.500
87	4.350	14.271	85.690	85.752	1.112	9.900	1.297	14.000
88	4.400	14.436	115.910	115.986	1.258	12.190	1.085	18.800
89	4.450	14.600	55.570	55.651	1.380	12.900	2.480	19.300
90	4.500	14.764	67.490	67.552	1.031	9.940	1.526	21.400
91	4.550	14.928	70.720	70.777	0.789	9.110	1.115	23.700
92	4.600	15.092	19.720	19.743	0.814	3.710	4.123	36.800
93	4.650	15.256	12.320	12.368	0.495	7.740	4.002	54.700
94	4.700	15.420	11.490	11.582	0.348	14.690	3.005	71.800
95	4.750	15.584	17.710	17.864	0.351	24.600	1.965	79.500
96	4.800	15.748	19.930	20.045	0.356	18.360	1.776	83.100
97	4.850	15.912	12.580	12.681	0.410	16.140	3.233	90.200
98	4.900	16.076	13.670	13.794	0.507	19.900	3.675	89.000
99	4.950	16.240	31.370	31.519	0.686	23.810	2.176	95.200
100	5.000	16.404	39.370	39.466	0.791	15.340	2.004	93.100
101	5.050	16.568	29.490	29.518	0.832	4.550	2.819	71.700
102	5.100	16.732	20.670	20.672	0.642	0.330	3.106	71.400
103	5.150	16.896	16.510	16.503	0.369	-1.140	2.236	51.500
104	5.200	17.060	25.530	25.518	0.693	-2.000	2.716	33.300
105	5.250	17.224	47.320	47.334	0.960	2.210	2.028	36.000
106	5.300	17.388	28.490	28.548	1.001	9.220	3.506	29.100
107	5.350	17.552	24.520	24.514	0.953	-0.980	3.888	18.900
108	5.400	17.716	35.560	35.659	0.781	15.840	2.190	17.700
109	5.450	17.880	36.620	36.689	0.731	11.030	1.992	19.100
110	5.500	18.044	21.610	21.664	0.564	8.580	2.603	19.600
111	5.550	18.208	7.410	7.450	0.267	6.380	3.584	21.900
112	5.600	18.372	6.290	6.344	0.257	8.730	4.051	22.400
113	5.650	18.537	30.460	30.514	0.321	8.600	1.052	27.500
114	5.700	18.701	10.820	10.882	0.310	9.870	2.849	25.300
115	5.750	18.865	4.530	4.494	0.336	-5.690	7.476	39.200
116	5.800	19.029	15.870	15.930	0.341	9.630	2.141	54.300
117	5.850	19.193	25.340	25.398	0.514	9.320	2.024	69.900
118	5.900	19.357	28.070	28.104	0.701	5.400	2.494	79.200
119	5.950	19.521	25.760	25.781	0.677	3.300	2.626	93.500
120	6.000	19.685	31.080	31.158	0.761	12.450	2.442	87.500
121	6.050	19.849	30.670	30.763	0.964	14.960	3.134	87.200
122	6.100	20.013	39.070	39.198	1.299	20.570	3.314	93.800
123	6.150	20.177	51.350	51.498	1.318	23.730	2.559	88.800
124	6.200	20.341	40.770	40.843	1.162	11.690	2.845	88.400
125	6.250	20.505	25.570	25.605	0.897	5.620	3.503	78.000
126	6.300	20.669	17.950	17.979	0.709	4.700	3.943	59.300
127	6.350	20.833	16.600	16.574	0.646	-4.170	3.898	47.100
128	6.400	20.997	17.120	17.136	0.534	2.510	3.116	36.900
129	6.450	21.161	26.340	26.404	0.304	10.180	1.151	33.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	23.600	23.632	0.139	5.200	0.588	26.500
131	6.550	21.489	19.390	19.439	0.176	7.920	0.905	29.300
132	6.600	21.653	13.560	13.617	0.457	9.160	3.356	39.500
133	6.650	21.817	24.950	24.997	0.594	7.600	2.376	50.500
134	6.700	21.981	17.550	17.614	0.613	10.310	3.480	65.300
135	6.750	22.145	9.370	9.478	0.508	17.370	5.360	60.500
136	6.800	22.309	5.890	5.977	0.377	13.900	6.308	63.900
137	6.850	22.473	4.990	5.042	0.245	8.270	4.860	65.700
138	6.900	22.638	8.060	8.125	0.325	10.460	4.000	57.300
139	6.950	22.802	24.230	24.290	0.441	9.680	1.816	50.500
140	7.000	22.966	34.440	34.524	0.469	13.420	1.358	48.900
141	7.050	23.130	35.990	36.086	0.581	15.450	1.610	63.400
142	7.100	23.294	24.420	24.490	0.706	11.140	2.883	59.300
143	7.150	23.458	25.570	25.657	0.669	13.960	2.607	64.500
144	7.200	23.622	13.290	13.438	0.671	23.700	4.993	69.200
145	7.250	23.786	12.780	12.910	0.497	20.840	3.850	74.700
146	7.300	23.950	12.820	12.961	0.490	22.630	3.780	74.200
147	7.350	24.114	13.730	13.868	0.474	22.090	3.418	75.000
148	7.400	24.278	16.860	16.981	0.571	19.450	3.362	64.600
149	7.450	24.442	27.090	27.282	0.720	30.710	2.639	70.500
150	7.500	24.606	54.560	54.704	0.888	23.000	1.623	70.800
151	7.550	24.770	113.730	113.885	1.219	24.800	1.070	79.800
152	7.600	24.934	117.390	117.478	1.700	14.080	1.447	90.700
153	7.650	25.098	98.500	98.585	1.979	13.620	2.007	83.800
154	7.700	25.262	74.020	74.101	2.211	12.900	2.984	85.700
155	7.750	25.426	45.800	45.863	2.109	10.120	4.598	82.400
156	7.800	25.590	37.120	37.186	1.442	10.520	3.878	86.800
157	7.850	25.754	31.410	31.536	1.235	20.160	3.916	79.100
158	7.900	25.918	27.710	27.828	1.082	18.900	3.888	73.200
159	7.950	26.082	24.100	24.211	1.151	17.760	4.754	75.600
160	8.000	26.246	20.590	20.693	1.195	16.480	5.775	64.700
161	8.050	26.410	20.670	20.773	1.213	16.430	5.839	52.800
162	8.100	26.574	42.430	42.542	1.105	17.890	2.597	39.300
163	8.150	26.739	70.540	70.657	1.478	18.720	2.092	39.400
164	8.200	26.903	65.960	66.041	1.275	12.950	1.931	23.900
165	8.250	27.067	60.830	60.879	0.929	7.910	1.526	18.400
166	8.300	27.231	14.060	14.163	0.836	16.440	5.903	14.500
167	8.350	27.395	29.000	29.108	0.778	17.320	2.673	17.900
168	8.400	27.559	26.710	26.840	0.660	20.750	2.459	12.300
169	8.450	27.723	35.410	35.511	0.558	16.250	1.571	14.700
170	8.500	27.887	56.520	56.614	0.937	15.040	1.655	17.100
171	8.550	28.051	92.790	92.877	0.661	13.980	0.712	17.900
172	8.600	28.215	142.370	142.433	1.332	10.060	0.935	17.600
173	8.650	28.379	153.370	153.439	2.463	11.120	1.605	19.800
174	8.700	28.543	135.360	135.591	2.263	37.010	1.669	27.800
175	8.750	28.707	20.000	20.088	1.528	14.140	7.606	28.900
176	8.800	28.871	20.070	20.101	0.769	4.940	3.826	35.400
177	8.850	29.035	40.570	40.750	0.756	28.830	1.855	39.800
178	8.900	29.199	68.750	68.884	1.670	21.390	2.424	49.500
179	8.950	29.363	55.120	55.204	1.344	13.520	2.435	62.300
180	9.000	29.527	38.380	38.439	1.207	9.380	3.140	76.700
181	9.050	29.691	46.140	46.224	0.902	13.530	1.951	80.200
182	9.100	29.855	29.270	29.325	0.664	8.760	2.264	78.500
183	9.150	30.019	21.900	21.962	0.625	9.990	2.846	74.700
184	9.200	30.183	16.010	16.064	0.592	8.650	3.685	64.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	10.120	10.167	0.434	7.450	4.269	61.000
186	9.300	30.511	16.820	16.865	0.382	7.150	2.265	48.400
187	9.350	30.675	55.530	55.620	0.422	14.430	0.759	51.500
188	9.400	30.840	181.460	181.540	1.408	12.830	0.776	45.900
189	9.450	31.004	170.740	170.848	2.291	17.230	1.341	48.200
190	9.500	31.168	137.850	137.920	2.132	11.250	1.546	64.400
191	9.550	31.332	106.600	106.715	2.724	18.420	2.553	60.700
192	9.600	31.496	93.990	94.086	3.381	15.350	3.594	68.700
193	9.650	31.660	91.710	91.904	4.103	31.060	4.464	64.200
194	9.700	31.824	130.400	130.491	3.290	14.510	2.521	71.200
195	9.750	31.988	97.760	97.846	2.342	13.750	2.394	77.800
196	9.800	32.152	70.570	70.633	1.592	10.160	2.254	69.600
197	9.850	32.316	51.120	51.173	1.394	8.410	2.724	61.200
198	9.900	32.480	40.210	40.256	2.069	7.400	5.140	39.300
199	9.950	32.644	45.280	45.318	1.846	6.110	4.073	35.100
200	10.000	32.808	59.350	59.377	1.005	4.380	1.693	26.600
201	10.050	32.972	55.680	55.713	1.421	5.290	2.551	25.800
202	10.100	33.136	70.560	70.729	1.839	27.070	2.600	23.400
203	10.150	33.300	64.770	64.880	2.408	17.580	3.711	28.200
204	10.200	33.464	68.730	68.785	2.045	8.780	2.973	29.900
205	10.250	33.628	129.480	129.587	2.443	17.160	1.885	31.000
206	10.300	33.792	229.090	229.232	4.429	22.750	1.932	34.700
207	10.350	33.956	190.550	190.663	5.765	18.180	3.024	47.800
208	10.400	34.120	116.760	116.869	4.664	17.530	3.991	49.800
209	10.450	34.284	54.320	54.462	2.923	22.740	5.367	71.500
210	10.500	34.448	42.910	43.549	1.471	102.380	3.378	102.100
211	10.550	34.612	41.610	42.103	1.344	79.030	3.192	123.300
212	10.600	34.776	34.380	34.710	1.304	52.870	3.757	147.500
213	10.650	34.941	30.590	30.870	1.186	44.900	3.842	200.100
214	10.700	35.105	46.230	46.453	1.342	35.670	2.889	295.300
215	10.750	35.269	72.110	72.551	1.559	70.590	2.149	454.500
216	10.800	35.433	53.390	53.810	2.128	67.330	3.955	566.200
217	10.850	35.597	48.250	48.694	2.407	71.110	4.943	578.700
218	10.900	35.761	155.660	156.422	3.160	122.020	2.020	572.100
219	10.950	35.925	213.710	214.002	4.071	46.750	1.902	498.100
220	11.000	36.089	105.640	105.855	3.595	34.520	3.396	427.100
221	11.050	36.253	79.430	79.569	2.503	22.280	3.146	396.100
222	11.100	36.417	59.590	59.630	1.474	6.460	2.472	393.500
223	11.150	36.581	32.970	33.006	1.306	5.770	3.957	390.300
224	11.200	36.745	23.240	23.280	1.115	6.380	4.790	385.300
225	11.250	36.909	25.460	25.505	0.944	7.180	3.701	0.000
226	11.300	37.073	28.190	28.242	0.917	8.390	3.247	0.000
227	11.350	37.237	33.730	33.783	0.886	8.500	2.623	0.000
228	11.400	37.401	34.150	34.202	0.941	8.290	2.751	0.000
229	11.450	37.565	35.800	35.852	0.954	8.250	2.661	0.000
230	11.500	37.729	46.240	46.292	1.017	8.300	2.197	0.000
231	11.550	37.893	47.520	47.572	1.108	8.340	2.329	0.000
232	11.600	38.057	51.570	51.627	0.983	9.190	1.904	0.000
233	11.650	38.221	131.260	131.330	1.498	11.170	1.141	0.000
234	11.700	38.385	119.120	119.205	5.636	13.680	4.728	0.000
235	11.750	38.549	95.360	95.431	3.719	11.350	3.897	0.000
236	11.800	38.713	126.150	126.153	5.114	0.540	4.054	0.000
237	11.850	38.877	170.770	170.832	4.482	9.910	2.624	0.000
238	11.900	39.042	79.030	79.059	4.826	4.640	6.104	0.000
239	11.950	39.206	386.360	386.390	0.000	4.780	0.000	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	428.550	428.581	0.000	4.960	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221530
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-2-4
Cone ID:	226:T1500F15U500
Operator:	DC/YB
CPT Date:	Feb-05-2014
CPT Time:	17:36
CPT File:	13-53075_GP2-4.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722044.964
Northing / Lat:	4294249.339
Elevation:	145.170
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	66.590	66.643	5.019	8.530	7.531	61.800
2	0.100	0.328	438.590	438.868	5.391	44.510	1.228	70.200
3	0.150	0.492	299.420	300.143	5.189	115.880	1.729	83.800
4	0.200	0.656	232.750	236.112	4.987	538.540	2.112	78.400
5	0.250	0.820	275.740	275.840	4.937	16.010	1.790	79.900
6	0.300	0.984	225.400	226.182	4.557	125.340	2.015	75.800
7	0.350	1.148	208.360	209.784	4.127	228.130	1.967	88.600
8	0.400	1.312	216.280	216.270	3.315	-1.540	1.533	85.100
9	0.450	1.476	202.840	202.801	3.520	-6.320	1.736	81.800
10	0.500	1.640	187.670	187.682	2.956	1.860	1.575	87.500
11	0.550	1.804	162.310	162.331	2.243	3.440	1.382	88.000
12	0.600	1.968	121.140	121.159	1.728	3.050	1.426	84.700
13	0.650	2.133	80.950	80.971	1.503	3.330	1.856	59.700
14	0.700	2.297	53.780	53.802	1.337	3.590	2.485	60.600
15	0.750	2.461	37.250	37.271	0.771	3.330	2.069	51.200
16	0.800	2.625	29.440	29.464	0.532	3.860	1.806	30.100
17	0.850	2.789	10.940	10.964	0.349	3.910	3.183	26.200
18	0.900	2.953	12.540	12.546	0.414	1.030	3.300	31.200
19	0.950	3.117	29.120	29.147	0.479	4.320	1.643	17.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	39.800	39.825	0.773	4.000	1.941	18.800
21	1.050	3.445	15.480	15.500	0.915	3.170	5.903	18.100
22	1.100	3.609	9.890	10.006	0.669	18.590	6.686	17.100
23	1.150	3.773	37.400	37.507	0.827	17.110	2.205	21.700
24	1.200	3.937	66.780	66.840	0.878	9.600	1.314	21.700
25	1.250	4.101	44.330	44.376	1.249	7.390	2.815	25.500
26	1.300	4.265	31.040	31.050	1.353	1.550	4.358	36.200
27	1.350	4.429	20.370	20.416	0.951	7.430	4.658	31.200
28	1.400	4.593	18.880	18.901	0.669	3.290	3.540	39.400
29	1.450	4.757	34.570	34.612	0.507	6.760	1.465	55.400
30	1.500	4.921	16.150	16.177	0.334	4.290	2.065	68.900
31	1.550	5.085	11.540	11.584	0.166	7.060	1.433	63.800
32	1.600	5.249	24.400	24.480	0.213	12.820	0.870	87.900
33	1.650	5.413	40.570	40.635	0.252	10.440	0.620	78.800
34	1.700	5.577	28.960	29.072	0.410	18.000	1.410	92.600
35	1.750	5.741	16.210	16.246	0.486	5.690	2.992	110.400
36	1.800	5.905	13.300	13.306	0.498	0.990	3.743	96.800
37	1.850	6.069	13.790	13.780	0.524	-1.670	3.803	79.800
38	1.900	6.234	15.600	15.572	0.608	-4.540	3.905	68.500
39	1.950	6.398	17.090	17.029	0.621	-9.760	3.647	73.900
40	2.000	6.562	15.390	15.338	0.513	-8.330	3.345	85.100
41	2.050	6.726	10.460	10.410	0.373	-8.040	3.583	75.200
42	2.100	6.890	15.810	15.866	0.364	8.990	2.294	75.300
43	2.150	7.054	23.620	23.652	0.311	5.150	1.315	74.100
44	2.200	7.218	15.830	15.904	0.322	11.800	2.025	78.400
45	2.250	7.382	14.240	14.210	0.269	-4.770	1.893	79.400
46	2.300	7.546	10.730	10.756	0.352	4.100	3.273	81.200
47	2.350	7.710	19.670	19.984	0.598	50.260	2.992	71.900
48	2.400	7.874	56.400	56.531	1.050	20.940	1.857	75.600
49	2.450	8.038	105.480	105.519	1.112	6.280	1.054	54.000
50	2.500	8.202	109.460	109.688	1.132	36.560	1.032	59.100
51	2.550	8.366	252.460	252.465	0.977	0.810	0.387	37.200
52	2.600	8.530	248.950	248.957	0.948	1.170	0.381	36.100
53	2.650	8.694	192.200	192.202	1.039	0.300	0.541	45.400
54	2.700	8.858	136.800	136.798	1.308	-0.380	0.956	47.400
55	2.750	9.022	95.020	95.029	1.262	1.440	1.328	53.200
56	2.800	9.186	67.880	67.897	1.139	2.700	1.678	64.300
57	2.850	9.350	50.130	50.154	1.002	3.830	1.998	67.900
58	2.900	9.514	34.290	34.316	0.891	4.240	2.596	45.500
59	2.950	9.678	24.850	24.882	0.484	5.050	1.945	36.100
60	3.000	9.842	21.260	21.255	1.187	-0.860	5.585	29.300
61	3.050	10.006	70.640	70.693	1.679	8.460	2.375	26.400
62	3.100	10.170	14.160	14.168	1.354	1.270	9.557	39.900
63	3.150	10.335	16.340	16.307	0.950	-5.290	5.826	40.000
64	3.200	10.499	29.750	29.784	0.128	5.460	0.430	52.000
65	3.250	10.663	18.460	18.897	0.042	69.980	0.222	59.800
66	3.300	10.827	30.400	30.620	0.442	35.260	1.443	81.300
67	3.350	10.991	39.170	39.163	0.644	-1.120	1.644	93.300
68	3.400	11.155	27.300	27.277	0.579	-3.690	2.123	99.200
69	3.450	11.319	35.690	35.830	0.592	22.370	1.652	91.800
70	3.500	11.483	33.300	33.280	0.805	-3.260	2.419	95.100
71	3.550	11.647	32.610	32.601	0.776	-1.400	2.380	91.900
72	3.600	11.811	30.080	30.067	0.784	-2.070	2.608	86.700
73	3.650	11.975	28.510	28.490	0.691	-3.200	2.425	78.200
74	3.700	12.139	23.010	22.984	0.627	-4.170	2.728	74.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	19.590	19.545	0.537	-7.170	2.747	80.500
76	3.800	12.467	28.760	28.799	0.804	6.280	2.792	52.200
77	3.850	12.631	45.340	45.396	0.900	8.920	1.983	63.700
78	3.900	12.795	29.710	29.756	0.759	7.410	2.551	66.500
79	3.950	12.959	43.160	43.211	0.848	8.160	1.962	70.100
80	4.000	13.123	68.310	68.370	0.788	9.580	1.153	75.700
81	4.050	13.287	13.620	13.677	0.635	9.100	4.643	78.700
82	4.100	13.451	13.110	13.126	0.322	2.620	2.453	89.800
83	4.150	13.615	12.250	12.275	0.311	3.960	2.534	72.100
84	4.200	13.779	13.320	13.368	0.351	7.760	2.626	62.800
85	4.250	13.943	14.560	14.614	0.451	8.590	3.086	58.200
86	4.300	14.107	16.670	16.731	0.471	9.770	2.815	59.200
87	4.350	14.271	31.410	31.483	0.692	11.730	2.198	44.400
88	4.400	14.436	43.810	43.832	0.904	3.580	2.062	27.000
89	4.450	14.600	28.690	28.718	1.125	4.450	3.917	28.400
90	4.500	14.764	21.400	21.435	0.784	5.580	3.658	30.400
91	4.550	14.928	28.620	28.644	0.687	3.820	2.398	21.000
92	4.600	15.092	23.700	23.748	0.518	7.740	2.181	19.900
93	4.650	15.256	21.910	21.927	0.600	2.730	2.736	18.600
94	4.700	15.420	21.770	21.800	0.462	4.850	2.119	15.200
95	4.750	15.584	32.600	32.627	0.680	4.370	2.084	15.500
96	4.800	15.748	112.700	112.733	0.751	5.220	0.666	12.200
97	4.850	15.912	43.010	43.027	0.595	2.750	1.383	16.500
98	4.900	16.076	30.900	30.929	0.651	4.620	2.105	12.500
99	4.950	16.240	49.000	49.042	0.556	6.710	1.134	17.400
100	5.000	16.404	95.060	95.079	0.820	3.050	0.862	24.600
101	5.050	16.568	62.990	63.072	0.963	13.200	1.527	26.300
102	5.100	16.732	16.330	16.325	0.803	-0.790	4.919	27.800
103	5.150	16.896	18.620	18.657	0.651	6.000	3.489	37.800
104	5.200	17.060	12.420	12.494	0.372	11.930	2.977	51.700
105	5.250	17.224	6.940	7.037	0.331	15.540	4.704	60.700
106	5.300	17.388	8.570	8.720	0.266	24.100	3.050	77.700
107	5.350	17.552	13.070	13.185	0.377	18.370	2.859	92.900
108	5.400	17.716	30.280	30.286	0.468	1.010	1.545	89.600
109	5.450	17.880	25.190	25.205	0.592	2.460	2.349	91.900
110	5.500	18.044	23.590	23.682	0.615	14.710	2.597	105.600
111	5.550	18.208	20.900	20.950	0.514	7.950	2.454	93.400
112	5.600	18.372	20.660	20.764	0.451	16.720	2.172	93.100
113	5.650	18.537	19.900	20.008	0.387	17.250	1.934	88.000
114	5.700	18.701	17.320	17.402	0.290	13.200	1.666	77.000
115	5.750	18.865	14.370	14.503	0.268	21.230	1.848	71.400
116	5.800	19.029	13.250	13.426	0.267	28.210	1.989	46.600
117	5.850	19.193	15.730	15.843	0.480	18.160	3.030	46.000
118	5.900	19.357	26.520	26.590	0.630	11.200	2.369	40.800
119	5.950	19.521	22.610	22.643	0.560	5.300	2.473	23.000
120	6.000	19.685	41.140	41.179	0.332	6.250	0.806	27.200
121	6.050	19.849	16.280	16.325	0.752	7.270	4.606	20.400
122	6.100	20.013	40.370	40.420	0.985	8.070	2.437	23.000
123	6.150	20.177	33.820	33.893	1.022	11.660	3.015	22.800
124	6.200	20.341	31.900	32.105	1.244	32.910	3.875	31.400
125	6.250	20.505	56.710	56.799	1.331	14.210	2.343	30.900
126	6.300	20.669	59.080	59.169	1.413	14.260	2.388	36.000
127	6.350	20.833	75.030	75.071	1.614	6.580	2.150	35.900
128	6.400	20.997	47.930	47.979	1.563	7.890	3.258	40.200
129	6.450	21.161	36.300	36.358	1.134	9.220	3.119	54.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	21.890	21.962	0.869	11.550	3.957	69.400
131	6.550	21.489	16.130	16.273	0.642	22.970	3.945	80.400
132	6.600	21.653	14.640	14.884	0.384	39.020	2.580	89.400
133	6.650	21.817	13.090	13.349	0.224	41.440	1.678	86.900
134	6.700	21.981	22.900	23.524	0.411	100.030	1.747	86.300
135	6.750	22.145	46.740	46.715	0.587	-4.080	1.257	93.500
136	6.800	22.309	38.430	38.417	0.864	-2.040	2.249	86.400
137	6.850	22.473	39.900	39.998	0.901	15.760	2.253	75.900
138	6.900	22.638	38.010	37.978	0.820	-5.050	2.159	65.400
139	6.950	22.802	31.570	31.541	0.858	-4.720	2.720	56.800
140	7.000	22.966	29.020	29.000	0.556	-3.270	1.917	38.500
141	7.050	23.130	47.020	46.993	0.665	-4.370	1.415	34.400
142	7.100	23.294	32.980	33.014	0.599	5.490	1.814	33.700
143	7.150	23.458	19.090	19.144	0.734	8.570	3.834	36.100
144	7.200	23.622	8.170	8.229	0.646	9.470	7.850	40.500
145	7.250	23.786	25.830	25.890	0.685	9.590	2.646	50.900
146	7.300	23.950	15.000	15.023	0.784	3.680	5.219	60.900
147	7.350	24.114	27.240	27.346	0.672	17.040	2.457	81.500
148	7.400	24.278	23.380	23.682	0.698	48.340	2.947	83.800
149	7.450	24.442	42.900	43.007	0.732	17.080	1.702	75.800
150	7.500	24.606	62.720	62.757	0.951	6.000	1.515	77.200
151	7.550	24.770	65.430	65.480	1.197	8.080	1.828	89.100
152	7.600	24.934	72.310	72.353	1.308	6.820	1.808	87.000
153	7.650	25.098	73.820	73.824	1.379	0.640	1.868	80.200
154	7.700	25.262	67.210	67.219	1.391	1.410	2.069	71.100
155	7.750	25.426	50.240	50.248	1.475	1.210	2.935	45.700
156	7.800	25.590	35.260	35.266	1.360	0.920	3.856	41.900
157	7.850	25.754	43.640	43.682	1.292	6.680	2.958	30.500
158	7.900	25.918	30.740	30.844	1.524	16.590	4.941	29.200
159	7.950	26.082	39.080	39.149	1.806	10.990	4.613	26.900
160	8.000	26.246	29.470	29.769	1.424	47.850	4.784	16.400
161	8.050	26.410	30.690	31.364	1.118	107.890	3.565	16.200
162	8.100	26.574	36.430	36.488	0.630	9.220	1.727	10.900
163	8.150	26.739	30.910	31.024	0.877	18.290	2.827	14.200
164	8.200	26.903	17.230	17.229	0.813	-0.200	4.719	16.700
165	8.250	27.067	17.910	17.990	0.605	12.830	3.363	14.000
166	8.300	27.231	28.370	28.435	0.415	10.460	1.459	18.300
167	8.350	27.395	40.680	40.715	0.761	5.560	1.869	19.500
168	8.400	27.559	37.310	37.412	0.852	16.340	2.277	22.100
169	8.450	27.723	36.390	36.521	1.080	20.990	2.957	26.800
170	8.500	27.887	23.970	24.062	0.888	14.750	3.690	15.600
171	8.550	28.051	14.990	15.173	0.749	29.240	4.937	23.400
172	8.600	28.215	37.810	37.884	0.807	11.810	2.130	21.100
173	8.650	28.379	49.560	49.597	1.087	5.860	2.192	17.900
174	8.700	28.543	24.580	24.663	1.141	13.280	4.626	37.500
175	8.750	28.707	16.590	16.840	1.069	40.080	6.348	41.100
176	8.800	28.871	18.430	18.879	0.932	71.960	4.937	61.100
177	8.850	29.035	23.430	23.929	0.747	79.970	3.122	81.700
178	8.900	29.199	22.850	23.314	0.833	74.370	3.573	113.600
179	8.950	29.363	21.760	21.825	0.809	10.410	3.707	172.000
180	9.000	29.527	16.690	16.665	0.796	-4.080	4.777	151.400
181	9.050	29.691	27.500	27.560	0.926	9.630	3.360	166.100
182	9.100	29.855	33.720	33.778	0.935	9.270	2.768	127.500
183	9.150	30.019	46.480	46.498	1.034	2.900	2.224	118.100
184	9.200	30.183	23.630	23.658	1.431	4.510	6.049	97.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	29.800	29.804	1.586	0.650	5.321	86.800
186	9.300	30.511	38.840	38.860	1.353	3.240	3.482	67.400
187	9.350	30.675	38.460	38.484	1.569	3.790	4.077	47.300
188	9.400	30.840	69.920	69.937	1.939	2.680	2.773	49.200
189	9.450	31.004	51.870	51.888	1.774	2.840	3.419	40.500
190	9.500	31.168	37.720	37.755	1.276	5.550	3.380	45.300
191	9.550	31.332	27.110	27.135	1.162	3.940	4.282	35.200
192	9.600	31.496	25.930	25.953	1.085	3.700	4.181	38.300
193	9.650	31.660	21.350	21.349	1.387	-0.200	6.497	46.000
194	9.700	31.824	35.710	35.731	1.196	3.350	3.347	46.700
195	9.750	31.988	75.540	75.581	1.069	6.490	1.414	46.200
196	9.800	32.152	25.490	25.511	1.181	3.290	4.629	49.700
197	9.850	32.316	40.440	40.528	1.179	14.110	2.909	47.300
198	9.900	32.480	47.110	47.151	0.709	6.570	1.504	51.600
199	9.950	32.644	56.610	56.670	0.538	9.590	0.949	48.000
200	10.000	32.808	49.330	49.363	0.582	5.340	1.179	43.000
201	10.050	32.972	38.090	38.111	0.752	3.430	1.973	48.300
202	10.100	33.136	33.210	33.231	0.486	3.340	1.462	36.400
203	10.150	33.300	25.750	25.779	0.334	4.690	1.296	29.900
204	10.200	33.464	11.730	11.788	0.364	9.230	3.088	22.500
205	10.250	33.628	6.100	6.125	0.302	3.990	4.931	20.000
206	10.300	33.792	5.840	5.872	0.340	5.090	5.790	18.400
207	10.350	33.956	20.020	20.042	0.671	3.460	3.348	16.000
208	10.400	34.120	26.750	26.795	0.707	7.140	2.639	11.300
209	10.450	34.284	32.440	32.413	0.903	-4.300	2.786	12.600
210	10.500	34.448	18.150	18.195	0.875	7.260	4.809	14.300
211	10.550	34.612	14.110	14.185	0.813	12.010	5.731	15.900
212	10.600	34.776	16.310	16.342	0.778	5.060	4.761	10.300
213	10.650	34.941	59.750	59.767	1.089	2.790	1.822	8.900
214	10.700	35.105	46.510	46.737	1.381	36.300	2.955	10.900
215	10.750	35.269	31.110	31.297	1.436	29.960	4.588	13.200
216	10.800	35.433	45.910	45.973	1.223	10.090	2.660	15.600
217	10.850	35.597	40.530	40.552	1.318	3.500	3.250	14.000
218	10.900	35.761	38.330	38.352	1.271	3.600	3.314	17.200
219	10.950	35.925	20.280	20.282	1.138	0.270	5.611	19.200
220	11.000	36.089	48.460	48.488	1.249	4.460	2.576	22.200
221	11.050	36.253	50.860	50.879	1.301	3.080	2.557	32.300
222	11.100	36.417	28.540	28.607	1.348	10.730	4.712	31.900
223	11.150	36.581	33.160	33.193	1.035	5.260	3.118	29.100
224	11.200	36.745	26.080	26.105	0.769	3.950	2.946	29.000
225	11.250	36.909	23.870	23.867	0.474	-0.460	1.986	24.800
226	11.300	37.073	20.010	20.057	0.668	7.560	3.330	24.800
227	11.350	37.237	35.950	35.976	0.823	4.230	2.288	25.400
228	11.400	37.401	19.930	19.949	0.710	3.050	3.559	16.100
229	11.450	37.565	22.120	22.160	0.555	6.410	2.505	18.200
230	11.500	37.729	36.590	36.616	0.392	4.170	1.071	17.000
231	11.550	37.893	14.620	14.669	0.463	7.870	3.156	19.600
232	11.600	38.057	11.520	11.552	0.464	5.190	4.016	16.900
233	11.650	38.221	3.930	3.956	0.422	4.120	10.668	21.100
234	11.700	38.385	7.420	7.454	0.309	5.490	4.145	18.500
235	11.750	38.549	6.550	6.568	0.334	2.810	5.086	27.400
236	11.800	38.713	9.000	9.045	0.433	7.230	4.787	22.000
237	11.850	38.877	10.140	10.173	0.523	5.290	5.141	27.200
238	11.900	39.042	33.780	33.822	0.321	6.760	0.949	28.600
239	11.950	39.206	68.460	68.483	0.662	3.640	0.967	31.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	84.320	84.349	0.982	4.600	1.164	30.900
241	12.050	39.534	36.150	36.173	0.983	3.670	2.718	45.600
242	12.100	39.698	24.040	24.068	0.678	4.560	2.817	54.600
243	12.150	39.862	23.830	23.864	0.205	5.390	0.859	54.600
244	12.200	40.026	12.820	12.858	0.217	6.060	1.688	60.700
245	12.250	40.190	19.420	19.471	0.300	8.150	1.541	54.000
246	12.300	40.354	27.250	27.303	0.536	8.480	1.963	79.600
247	12.350	40.518	32.670	32.755	1.016	13.600	3.102	77.100
248	12.400	40.682	39.940	40.053	1.325	18.080	3.308	84.400
249	12.450	40.846	37.790	37.856	1.289	10.610	3.405	80.300
250	12.500	41.010	34.840	34.931	1.087	14.630	3.112	65.700
251	12.550	41.174	30.320	30.369	1.526	7.890	5.025	54.200
252	12.600	41.338	28.160	28.109	1.130	-8.200	4.020	43.800
253	12.650	41.502	23.770	23.715	1.208	-8.860	5.094	36.900
254	12.700	41.666	79.730	79.759	1.053	4.600	1.320	25.800
255	12.750	41.830	12.890	12.901	0.920	1.760	7.131	15.700
256	12.800	41.994	17.240	17.256	0.504	2.620	2.921	19.400
257	12.850	42.158	8.540	8.580	0.416	6.330	4.849	20.100
258	12.900	42.322	8.790	8.815	0.802	4.060	9.098	12.700
259	12.950	42.486	29.750	29.777	0.887	4.340	2.979	13.000
260	13.000	42.650	25.360	25.382	1.148	3.560	4.523	13.600
261	13.050	42.814	114.200	114.238	2.108	6.090	1.845	14.000
262	13.100	42.978	72.840	72.876	2.715	5.750	3.726	12.900
263	13.150	43.143	62.010	62.068	2.481	9.350	3.997	20.400
264	13.200	43.307	31.600	31.671	1.854	11.410	5.854	23.700
265	13.250	43.471	60.440	60.821	1.910	60.960	3.140	33.800
266	13.300	43.635	92.440	92.615	2.018	28.070	2.179	24.900
267	13.350	43.799	129.620	130.000	1.624	60.910	1.249	30.000
268	13.400	43.963	75.150	75.173	1.027	3.760	1.366	30.000
269	13.450	44.127	60.380	60.401	1.278	3.420	2.116	29.300
270	13.500	44.291	68.970	69.017	1.485	7.600	2.152	28.900
271	13.550	44.455	77.150	77.140	1.725	-1.570	2.236	13.500
272	13.600	44.619	76.830	76.889	1.822	9.450	2.370	16.500
273	13.650	44.783	99.610	99.615	1.941	0.800	1.949	12.400
274	13.700	44.947	99.080	99.123	1.942	6.890	1.959	14.300
275	13.750	45.111	25.020	25.078	1.728	9.230	6.891	22.100
276	13.800	45.275	29.990	30.158	1.127	26.940	3.737	19.700
277	13.850	45.439	46.620	46.710	0.993	14.400	2.126	24.200
278	13.900	45.603	46.720	47.020	1.333	48.030	2.835	25.300
279	13.950	45.767	44.420	44.784	1.565	58.250	3.495	23.400
280	14.000	45.931	58.650	58.680	1.153	4.870	1.965	30.400
281	14.050	46.095	160.300	160.333	1.223	5.330	0.763	39.000
282	14.100	46.259	73.840	73.874	1.037	5.390	1.404	43.700
283	14.150	46.423	42.820	42.841	1.142	3.390	2.666	51.500
284	14.200	46.587	58.980	59.016	0.719	5.760	1.218	61.600
285	14.250	46.751	57.240	57.272	0.757	5.090	1.322	57.800
286	14.300	46.915	96.990	97.031	0.768	6.540	0.792	56.500
287	14.350	47.079	111.840	111.889	0.935	7.800	0.836	56.600
288	14.400	47.244	126.650	126.706	1.004	8.970	0.792	60.800
289	14.450	47.408	138.500	138.551	1.156	8.180	0.834	47.500
290	14.500	47.572	141.450	141.504	1.227	8.700	0.867	59.600
291	14.550	47.736	141.240	141.291	1.245	8.220	0.881	65.300
292	14.600	47.900	145.120	145.168	1.251	7.630	0.862	65.600
293	14.650	48.064	148.910	148.954	1.256	7.010	0.843	60.400
294	14.700	48.228	155.040	155.087	1.302	7.530	0.840	60.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	173.590	173.634	1.452	7.120	0.836	43.800
296	14.800	48.556	184.950	184.997	1.470	7.510	0.795	49.700
297	14.850	48.720	188.180	188.227	1.659	7.540	0.881	52.800
298	14.900	48.884	182.270	182.314	1.867	7.000	1.024	59.500
299	14.950	49.048	167.830	167.874	1.891	6.970	1.126	56.200
300	15.000	49.212	152.030	152.072	1.833	6.780	1.205	53.900
301	15.050	49.376	140.370	140.413	1.645	6.890	1.172	65.400
302	15.100	49.540	135.670	135.715	1.511	7.180	1.113	65.000
303	15.150	49.704	143.680	143.728	1.494	7.760	1.039	51.800
304	15.200	49.868	143.110	143.159	1.491	7.920	1.041	51.700
305	15.250	50.032	137.200	137.247	1.525	7.530	1.111	54.900
306	15.300	50.196	134.000	134.046	1.402	7.410	1.046	58.500
307	15.350	50.360	134.260	134.309	1.405	7.860	1.046	53.200
308	15.400	50.524	134.520	134.570	1.619	8.040	1.203	61.400
309	15.450	50.688	135.000	135.051	1.471	8.240	1.089	53.600
310	15.500	50.852	119.380	119.431	1.585	8.160	1.327	0.000
311	15.550	51.016	133.240	133.295	1.632	8.780	1.224	0.000
312	15.600	51.180	128.470	128.526	1.603	8.900	1.247	0.000
313	15.650	51.345	130.790	130.849	1.591	9.440	1.216	0.000
314	15.700	51.509	144.710	144.766	1.638	9.020	1.131	0.000
315	15.750	51.673	148.830	148.888	1.668	9.360	1.120	0.000
316	15.800	51.837	148.470	148.531	1.691	9.760	1.138	0.000
317	15.850	52.001	149.500	149.560	1.710	9.660	1.143	0.000
318	15.900	52.165	153.830	153.895	1.737	10.490	1.129	0.000
319	15.950	52.329	170.280	170.350	2.065	11.190	1.212	0.000
320	16.000	52.493	201.290	201.364	2.463	11.910	1.223	0.000
321	16.050	52.657	217.320	217.378	3.098	9.290	1.425	0.000
322	16.100	52.821	229.410	229.466	3.021	9.020	1.317	0.000
323	16.150	52.985	215.650	215.690	3.000	6.470	1.391	0.000
324	16.200	53.149	247.860	247.909	0.000	7.800	0.000	0.000
325	16.250	53.313	252.910	252.947	0.000	5.900	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221531
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-3-1
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-24-2013
CPT Time:	07:55
CPT File:	13-53075_GP3-1.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722044.564
Northing / Lat:	4294273.829
Elevation:	144.650
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	9.210	9.262	0.065	8.400	0.702	62.400
2	0.100	0.328	24.210	24.218	0.148	1.260	0.611	74.300
3	0.150	0.492	40.840	40.856	0.254	2.600	0.622	77.300
4	0.200	0.656	52.130	52.134	0.372	0.680	0.714	85.900
5	0.250	0.820	60.330	60.329	0.874	-0.180	1.449	91.400
6	0.300	0.984	79.060	79.064	0.656	0.610	0.830	81.600
7	0.350	1.148	147.610	147.653	0.680	6.940	0.461	81.500
8	0.400	1.312	221.960	222.019	0.809	9.380	0.364	65.900
9	0.450	1.476	216.880	216.928	0.647	7.680	0.298	60.600
10	0.500	1.640	206.610	206.658	0.452	7.670	0.219	62.900
11	0.550	1.804	186.660	186.701	0.545	6.620	0.292	63.400
12	0.600	1.968	151.750	151.796	0.497	7.300	0.327	56.300
13	0.650	2.133	140.280	140.317	0.585	5.940	0.417	70.000
14	0.700	2.297	121.200	121.279	0.622	12.640	0.513	73.500
15	0.750	2.461	91.390	91.422	0.828	5.120	0.906	68.800
16	0.800	2.625	75.880	75.902	0.939	3.460	1.237	83.000
17	0.850	2.789	54.710	54.747	1.086	5.930	1.984	82.600
18	0.900	2.953	44.040	44.070	1.113	4.860	2.526	82.100
19	0.950	3.117	38.380	38.417	1.017	5.990	2.647	84.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	34.110	34.132	0.906	3.550	2.654	84.300
21	1.050	3.445	31.970	31.988	0.850	2.850	2.657	91.500
22	1.100	3.609	31.480	31.499	0.771	2.990	2.448	89.900
23	1.150	3.773	33.550	33.576	0.710	4.210	2.115	94.100
24	1.200	3.937	38.770	38.793	0.704	3.680	1.815	90.800
25	1.250	4.101	37.550	37.565	0.691	2.370	1.839	94.400
26	1.300	4.265	34.380	34.389	0.735	1.470	2.137	83.700
27	1.350	4.429	31.400	31.408	0.675	1.300	2.149	95.400
28	1.400	4.593	37.800	37.818	0.720	2.900	1.904	94.300
29	1.450	4.757	54.240	54.256	0.841	2.500	1.550	95.000
30	1.500	4.921	70.310	70.337	0.901	4.280	1.281	0.000
31	1.550	5.085	76.540	76.565	1.105	4.010	1.443	0.000
32	1.600	5.249	78.710	78.770	1.342	9.630	1.704	0.000
33	1.650	5.413	87.710	87.743	1.757	5.240	2.002	0.000
34	1.700	5.577	105.000	105.029	1.924	4.570	1.832	0.000
35	1.750	5.741	131.440	131.459	1.982	3.110	1.508	0.000
36	1.800	5.905	144.070	144.072	1.911	0.300	1.326	0.000
37	1.850	6.069	128.180	128.167	2.185	-2.160	1.705	0.000
38	1.900	6.234	91.450	91.429	1.928	-3.380	2.109	0.000
39	1.950	6.398	59.130	59.112	0.992	-2.870	1.678	0.000
40	2.000	6.562	83.390	83.374	1.086	-2.500	1.303	0.000
41	2.050	6.726	138.390	138.387	1.261	-0.470	0.911	0.000
42	2.100	6.890	191.930	191.937	0.394	1.160	0.205	0.000
43	2.150	7.054	230.920	230.907	0.597	-2.070	0.259	0.000
44	2.200	7.218	392.180	392.178	0.000	-0.270	0.000	0.000
45	2.250	7.382	398.370	398.368	0.000	-0.360	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221533
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-3-1A
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-24-2013
CPT Time:	07:56
CPT File:	13-53075_GP3-1A.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722044.659
Northing / Lat:	4294273.723
Elevation:	144.650
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
1	0.050	0.164	2.940	2.955	0.003	2.460	0.102	55.400
2	0.100	0.328	27.540	27.551	0.042	1.770	0.152	68.800
3	0.150	0.492	46.390	46.400	0.209	1.680	0.450	74.400
4	0.200	0.656	75.170	75.175	0.510	0.740	0.678	68.600
5	0.250	0.820	117.430	117.435	1.300	0.750	1.107	80.500
6	0.300	0.984	155.920	155.932	1.719	1.880	1.102	84.800
7	0.350	1.148	175.770	175.784	2.179	2.220	1.240	69.400
8	0.400	1.312	155.710	155.716	2.072	1.010	1.331	74.500
9	0.450	1.476	132.280	132.290	1.273	1.540	0.962	68.100
10	0.500	1.640	110.580	110.602	1.039	3.520	0.939	72.500
11	0.550	1.804	68.130	68.150	1.071	3.200	1.572	70.000
12	0.600	1.968	49.920	49.961	0.960	6.530	1.922	75.300
13	0.650	2.133	35.070	35.097	0.952	4.390	2.712	78.900
14	0.700	2.297	21.360	21.377	0.795	2.660	3.719	82.900
15	0.750	2.461	15.610	15.632	0.562	3.470	3.595	80.300
16	0.800	2.625	22.000	22.029	0.469	4.610	2.129	88.000
17	0.850	2.789	28.950	28.977	0.411	4.290	1.418	89.100
18	0.900	2.953	25.940	25.957	0.538	2.660	2.073	89.500
19	0.950	3.117	23.590	23.604	0.565	2.310	2.394	88.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	21.450	21.466	0.624	2.600	2.907	98.300
21	1.050	3.445	21.700	21.719	0.731	2.980	3.366	93.100
22	1.100	3.609	23.530	23.549	0.817	2.990	3.469	84.100
23	1.150	3.773	25.620	25.639	0.834	3.120	3.253	91.500
24	1.200	3.937	23.530	23.549	0.857	3.050	3.639	89.200
25	1.250	4.101	23.700	23.719	0.859	2.980	3.622	88.800
26	1.300	4.265	23.110	23.128	0.613	2.900	2.650	88.600
27	1.350	4.429	21.910	21.928	0.660	2.810	3.010	85.500
28	1.400	4.593	75.690	75.674	0.875	-2.630	1.156	76.100
29	1.450	4.757	62.770	62.765	1.185	-0.860	1.888	80.200
30	1.500	4.921	54.440	54.475	1.443	5.660	2.649	88.800
31	1.550	5.085	50.200	50.215	1.508	2.420	3.003	98.100
32	1.600	5.249	46.700	46.709	1.409	1.490	3.017	89.400
33	1.650	5.413	42.640	42.630	1.374	-1.630	3.223	89.500
34	1.700	5.577	41.300	41.269	1.234	-5.010	2.990	91.100
35	1.750	5.741	43.990	43.959	1.285	-4.940	2.923	95.500
36	1.800	5.905	37.700	37.668	1.289	-5.170	3.422	95.600
37	1.850	6.069	36.160	36.131	1.246	-4.710	3.449	101.900
38	1.900	6.234	53.160	53.145	1.328	-2.480	2.499	101.400
39	1.950	6.398	69.570	69.556	1.739	-2.200	2.500	99.200
40	2.000	6.562	64.770	64.753	2.451	-2.750	3.785	99.900
41	2.050	6.726	71.160	71.145	2.704	-2.460	3.801	102.200
42	2.100	6.890	108.340	108.332	2.511	-1.350	2.318	105.200
43	2.150	7.054	99.830	99.816	2.430	-2.290	2.434	91.100
44	2.200	7.218	71.500	71.474	2.597	-4.230	3.634	83.000
45	2.250	7.382	56.670	56.638	2.496	-5.080	4.407	101.200
46	2.300	7.546	41.100	41.068	1.978	-5.140	4.816	96.300
47	2.350	7.710	34.680	34.652	1.827	-4.520	5.272	95.500
48	2.400	7.874	93.700	93.698	1.997	-0.330	2.131	89.100
49	2.450	8.038	122.940	122.937	1.902	-0.410	1.547	82.000
50	2.500	8.202	108.490	108.483	1.792	-1.140	1.652	97.400
51	2.550	8.366	99.120	99.108	1.873	-1.940	1.890	95.800
52	2.600	8.530	84.430	84.414	1.982	-2.580	2.348	89.700
53	2.650	8.694	68.370	68.356	1.868	-2.260	2.733	105.300
54	2.700	8.858	54.040	54.024	1.887	-2.640	3.493	89.000
55	2.750	9.022	41.040	41.022	1.610	-2.920	3.925	90.000
56	2.800	9.186	37.100	37.081	1.464	-3.020	3.948	77.600
57	2.850	9.350	29.520	29.495	1.211	-4.020	4.106	55.300
58	2.900	9.514	41.820	41.797	1.317	-3.760	3.151	51.600
59	2.950	9.678	69.440	69.444	1.448	0.610	2.085	30.600
60	3.000	9.842	34.520	34.509	1.342	-1.800	3.889	30.900
61	3.050	10.006	27.990	28.015	0.947	3.950	3.380	26.100
62	3.100	10.170	51.570	51.573	0.861	0.410	1.669	30.300
63	3.150	10.335	46.480	46.476	0.714	-0.610	1.536	32.200
64	3.200	10.499	75.570	75.656	0.786	13.780	1.039	29.600
65	3.250	10.663	50.670	50.691	0.714	3.330	1.409	38.500
66	3.300	10.827	30.500	30.523	0.565	3.660	1.851	50.900
67	3.350	10.991	10.030	10.036	0.463	0.960	4.613	54.600
68	3.400	11.155	8.400	8.452	0.348	8.340	4.117	76.900
69	3.450	11.319	15.710	15.772	0.437	9.910	2.771	81.500
70	3.500	11.483	18.830	18.887	0.379	9.180	2.007	79.200
71	3.550	11.647	18.230	18.282	0.441	8.340	2.412	58.500
72	3.600	11.811	12.000	12.023	0.359	3.630	2.986	56.600
73	3.650	11.975	17.070	17.061	0.419	-1.420	2.456	37.700
74	3.700	12.139	54.790	54.823	1.012	5.310	1.846	21.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	58.800	58.851	1.358	8.140	2.308	25.600
76	3.800	12.467	34.180	34.220	1.524	6.380	4.454	22.900
77	3.850	12.631	42.280	42.315	0.858	5.680	2.028	22.200
78	3.900	12.795	25.950	25.972	0.596	3.460	2.295	18.600
79	3.950	12.959	19.270	19.271	0.484	0.170	2.512	19.700
80	4.000	13.123	28.040	28.062	0.751	3.600	2.676	35.000
81	4.050	13.287	95.790	95.844	0.701	8.690	0.731	84.400
82	4.100	13.451	172.230	172.277	0.654	7.570	0.380	27.100
83	4.150	13.615	140.470	140.510	0.675	6.460	0.480	27.500
84	4.200	13.779	102.220	102.242	0.783	3.460	0.766	40.100
85	4.250	13.943	60.680	60.695	0.958	2.420	1.578	51.900
86	4.300	14.107	36.230	36.277	1.066	7.510	2.939	94.800
87	4.350	14.271	19.570	19.582	0.813	1.990	4.152	51.600
88	4.400	14.436	12.990	13.008	0.470	2.930	3.613	74.300
89	4.450	14.600	12.370	12.388	0.307	2.840	2.478	38.800
90	4.500	14.764	19.050	19.076	0.337	4.190	1.767	24.000
91	4.550	14.928	21.870	21.917	0.533	7.510	2.432	20.400
92	4.600	15.092	23.730	23.721	0.751	-1.510	3.166	19.200
93	4.650	15.256	20.540	20.576	0.732	5.790	3.558	20.200
94	4.700	15.420	22.250	22.296	0.847	7.290	3.799	16.000
95	4.750	15.584	15.460	15.505	0.578	7.260	3.728	13.900
96	4.800	15.748	20.290	20.321	0.467	4.970	2.298	14.300
97	4.850	15.912	24.620	24.638	0.567	2.840	2.301	10.900
98	4.900	16.076	26.160	26.201	0.723	6.620	2.759	19.100
99	4.950	16.240	17.640	17.664	0.857	3.870	4.852	14.000
100	5.000	16.404	28.650	28.693	0.930	6.930	3.241	20.700
101	5.050	16.568	36.100	36.123	0.692	3.710	1.916	18.600
102	5.100	16.732	19.070	19.114	0.810	7.070	4.238	23.400
103	5.150	16.896	132.350	132.378	0.798	4.430	0.603	34.100
104	5.200	17.060	128.470	128.502	0.990	5.170	0.770	31.900
105	5.250	17.224	111.510	111.543	1.585	5.350	1.421	50.500
106	5.300	17.388	66.860	66.885	1.535	3.930	2.295	49.900
107	5.350	17.552	44.970	44.993	1.589	3.610	3.532	54.500
108	5.400	17.716	32.750	32.777	1.256	4.270	3.832	52.800
109	5.450	17.880	31.020	31.071	1.051	8.230	3.383	54.600
110	5.500	18.044	21.940	22.038	0.880	15.650	3.993	50.800
111	5.550	18.208	18.290	18.392	0.619	16.320	3.366	61.700
112	5.600	18.372	22.940	23.046	0.519	17.020	2.252	67.900
113	5.650	18.537	37.420	37.395	0.696	-3.980	1.861	71.900
114	5.700	18.701	38.230	38.312	0.703	13.110	1.835	84.300
115	5.750	18.865	34.100	34.241	0.910	22.660	2.658	80.900
116	5.800	19.029	32.300	32.386	1.044	13.770	3.224	93.900
117	5.850	19.193	29.260	29.339	1.036	12.650	3.531	96.300
118	5.900	19.357	24.150	24.257	0.907	17.160	3.739	87.900
119	5.950	19.521	20.930	21.050	0.765	19.220	3.634	102.200
120	6.000	19.685	21.520	21.668	0.662	23.630	3.055	91.900
121	6.050	19.849	20.420	20.567	0.739	23.500	3.593	81.900
122	6.100	20.013	17.080	17.205	0.918	20.000	5.336	78.200
123	6.150	20.177	24.070	24.208	0.740	22.030	3.057	75.700
124	6.200	20.341	116.600	116.791	3.848	30.590	3.295	80.500
125	6.250	20.505	130.990	131.012	4.495	3.580	3.431	84.500
126	6.300	20.669	52.930	52.923	4.204	-1.150	7.944	94.300
127	6.350	20.833	46.340	46.319	2.142	-3.340	4.624	80.400
128	6.400	20.997	27.090	27.082	1.178	-1.280	4.350	98.900
129	6.450	21.161	20.760	20.754	0.984	-0.960	4.741	97.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	19.640	19.635	0.843	-0.820	4.293	75.000
131	6.550	21.489	36.410	36.409	0.955	-0.130	2.623	75.000
132	6.600	21.653	56.950	56.949	1.563	-0.100	2.745	72.000
133	6.650	21.817	45.930	45.930	1.537	-0.040	3.346	62.300
134	6.700	21.981	40.820	40.829	1.447	1.520	3.544	67.900
135	6.750	22.145	37.890	37.901	0.979	1.790	2.583	76.600
136	6.800	22.309	27.710	27.723	0.849	2.110	3.062	74.400
137	6.850	22.473	26.230	26.242	0.846	1.990	3.224	88.200
138	6.900	22.638	22.640	22.648	0.716	1.230	3.161	96.000
139	6.950	22.802	20.120	20.132	0.713	1.890	3.542	136.300
140	7.000	22.966	21.780	21.795	0.647	2.470	2.969	180.500
141	7.050	23.130	15.850	15.857	0.693	1.130	4.370	252.600
142	7.100	23.294	16.970	16.984	0.783	2.180	4.610	240.400
143	7.150	23.458	38.280	38.295	0.908	2.330	2.371	193.900
144	7.200	23.622	35.190	35.204	1.143	2.300	3.247	172.800
145	7.250	23.786	37.990	38.008	1.324	2.830	3.484	183.500
146	7.300	23.950	43.890	43.883	1.235	-1.160	2.814	197.300
147	7.350	24.114	68.280	68.263	1.318	-2.700	1.931	164.000
148	7.400	24.278	69.150	69.148	0.854	-0.380	1.235	147.500
149	7.450	24.442	39.330	39.331	0.499	0.170	1.269	107.100
150	7.500	24.606	11.460	11.550	0.469	14.380	4.061	100.600
151	7.550	24.770	17.210	17.287	0.490	12.370	2.834	89.200
152	7.600	24.934	18.980	19.028	0.436	7.730	2.291	83.000
153	7.650	25.098	13.610	13.652	0.352	6.680	2.578	83.200
154	7.700	25.262	16.010	16.063	0.374	8.550	2.328	86.100
155	7.750	25.426	21.120	21.189	0.423	10.990	1.996	97.400
156	7.800	25.590	27.280	27.353	0.604	11.730	2.208	78.700
157	7.850	25.754	24.260	24.291	0.703	4.930	2.894	81.000
158	7.900	25.918	21.320	21.436	0.763	18.590	3.559	91.700
159	7.950	26.082	19.030	19.138	0.572	17.320	2.989	81.700
160	8.000	26.246	19.350	19.442	0.562	14.750	2.891	86.300
161	8.050	26.410	14.100	14.167	0.382	10.770	2.696	94.700
162	8.100	26.574	20.150	20.205	0.325	8.850	1.608	120.100
163	8.150	26.739	37.570	37.609	0.707	6.180	1.880	134.800
164	8.200	26.903	52.770	52.782	0.814	1.940	1.542	194.600
165	8.250	27.067	32.540	32.606	0.923	10.620	2.831	282.000
166	8.300	27.231	18.640	18.718	0.777	12.470	4.151	471.200
167	8.350	27.395	16.390	16.466	0.510	12.120	3.097	766.000
168	8.400	27.559	14.690	14.771	0.522	12.980	3.534	1185.300
169	8.450	27.723	34.210	34.304	0.728	15.100	2.122	1313.500
170	8.500	27.887	26.990	27.081	0.862	14.500	3.183	1064.900
171	8.550	28.051	32.560	32.648	0.741	14.140	2.270	738.500
172	8.600	28.215	29.530	29.565	1.000	5.600	3.382	509.500
173	8.650	28.379	68.010	68.040	1.172	4.770	1.723	343.300
174	8.700	28.543	37.340	37.391	1.377	8.170	3.683	248.200
175	8.750	28.707	39.650	39.738	1.122	14.070	2.824	192.900
176	8.800	28.871	16.790	16.877	0.934	13.950	5.534	148.700
177	8.850	29.035	67.300	67.368	0.979	10.830	1.453	129.300
178	8.900	29.199	50.480	50.539	1.224	9.440	2.422	104.800
179	8.950	29.363	31.000	31.035	1.110	5.630	3.577	103.500
180	9.000	29.527	46.750	46.779	1.145	4.640	2.448	97.200
181	9.050	29.691	30.790	30.855	0.950	10.470	3.079	98.500
182	9.100	29.855	29.210	29.254	0.790	6.980	2.701	81.700
183	9.150	30.019	26.110	26.156	0.503	7.410	1.923	69.800
184	9.200	30.183	28.620	28.675	0.582	8.890	2.030	61.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	28.520	28.564	0.522	7.040	1.827	58.800
186	9.300	30.511	29.140	29.165	0.563	4.060	1.930	55.000
187	9.350	30.675	27.020	27.042	0.702	3.460	2.596	53.300
188	9.400	30.840	34.940	34.974	0.736	5.490	2.104	44.200
189	9.450	31.004	32.290	32.314	0.743	3.840	2.299	49.700
190	9.500	31.168	38.250	38.275	0.634	4.080	1.656	36.800
191	9.550	31.332	61.890	61.924	0.575	5.430	0.929	36.100
192	9.600	31.496	78.290	78.319	0.487	4.600	0.622	36.800
193	9.650	31.660	69.160	69.188	0.349	4.550	0.504	33.200
194	9.700	31.824	67.060	67.088	0.532	4.540	0.793	37.700
195	9.750	31.988	63.940	63.965	0.480	4.040	0.750	31.200
196	9.800	32.152	66.200	66.219	1.098	3.020	1.658	24.200
197	9.850	32.316	56.220	56.244	1.448	3.780	2.575	14.900
198	9.900	32.480	45.540	45.623	2.010	13.290	4.406	15.800
199	9.950	32.644	46.270	46.333	1.747	10.140	3.771	14.400
200	10.000	32.808	141.730	141.826	1.101	15.340	0.776	13.700
201	10.050	32.972	109.020	109.011	1.245	-1.440	1.142	13.700
202	10.100	33.136	68.680	68.856	1.419	28.270	2.061	16.900
203	10.150	33.300	61.980	62.117	1.381	21.900	2.223	10.000
204	10.200	33.464	61.470	61.592	1.340	19.470	2.176	13.700
205	10.250	33.628	65.570	65.655	0.844	13.690	1.285	14.900
206	10.300	33.792	70.620	70.715	1.247	15.230	1.763	22.300
207	10.350	33.956	88.220	88.314	1.629	15.110	1.845	17.900
208	10.400	34.120	39.280	39.435	1.675	24.770	4.248	16.400
209	10.450	34.284	45.320	45.536	1.842	34.580	4.045	26.900
210	10.500	34.448	87.420	87.584	1.973	26.330	2.253	11.900
211	10.550	34.612	68.740	68.840	1.875	16.090	2.724	14.700
212	10.600	34.776	24.380	24.615	1.729	37.690	7.024	11.400
213	10.650	34.941	28.130	28.506	1.539	60.310	5.399	15.900
214	10.700	35.105	79.410	79.581	1.546	27.370	1.943	25.700
215	10.750	35.269	64.950	65.068	1.593	18.970	2.448	27.200
216	10.800	35.433	46.290	46.361	1.739	11.300	3.751	28.700
217	10.850	35.597	38.250	38.367	1.443	18.690	3.761	32.000
218	10.900	35.761	46.440	46.578	1.493	22.060	3.205	21.300
219	10.950	35.925	56.280	56.407	1.530	20.310	2.712	27.300
220	11.000	36.089	63.910	64.102	1.810	30.800	2.824	20.500
221	11.050	36.253	60.520	60.728	1.958	33.290	3.224	20.800
222	11.100	36.417	60.020	60.143	1.778	19.630	2.956	16.600
223	11.150	36.581	61.840	62.085	1.660	39.170	2.674	16.000
224	11.200	36.745	48.710	48.816	1.511	17.040	3.095	16.600
225	11.250	36.909	63.750	63.968	1.112	34.940	1.738	32.400
226	11.300	37.073	72.400	72.540	1.129	22.390	1.556	28.700
227	11.350	37.237	70.470	70.576	1.563	16.930	2.215	33.200
228	11.400	37.401	79.940	80.049	1.884	17.410	2.354	24.200
229	11.450	37.565	51.910	52.230	2.102	51.250	4.025	23.200
230	11.500	37.729	50.430	50.958	1.631	84.610	3.201	29.000
231	11.550	37.893	25.590	26.075	1.083	77.700	4.153	35.000
232	11.600	38.057	22.280	22.646	0.907	58.570	4.005	35.700
233	11.650	38.221	44.350	44.623	0.970	43.760	2.174	43.600
234	11.700	38.385	43.530	43.612	1.017	13.190	2.332	38.200
235	11.750	38.549	38.710	38.768	1.014	9.300	2.616	30.500
236	11.800	38.713	37.230	37.294	1.004	10.330	2.692	0.000
237	11.850	38.877	47.900	47.943	0.981	6.810	2.046	0.000
238	11.900	39.042	40.350	40.404	0.998	8.700	2.470	0.000
239	11.950	39.206	26.320	26.379	1.159	9.400	4.394	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	34.260	34.349	1.015	14.230	2.955	0.000
241	12.050	39.534	35.910	35.974	0.960	10.200	2.669	0.000
242	12.100	39.698	32.220	32.356	1.114	21.850	3.443	0.000
243	12.150	39.862	34.910	35.033	1.123	19.740	3.206	0.000
244	12.200	40.026	48.870	48.940	1.255	11.250	2.564	0.000
245	12.250	40.190	57.530	57.615	1.209	13.540	2.098	0.000
246	12.300	40.354	61.120	61.219	1.321	15.900	2.158	0.000
247	12.350	40.518	79.550	79.646	1.465	15.350	1.839	0.000
248	12.400	40.682	108.130	108.221	2.182	14.500	2.016	0.000
249	12.450	40.846	131.430	131.569	2.559	22.330	1.945	0.000
250	12.500	41.010	101.580	101.735	0.000	24.760	0.000	0.000
251	12.550	41.174	96.060	96.147	0.000	13.970	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221534
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-3-2
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-24-2013
CPT Time:	09:02
CPT File:	13-53075_GP3-2.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722062.489
Northing / Lat:	4294250.649
Elevation:	145.891
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
1	0.050	0.164	37.160	37.238	0.155	12.470	0.416	70.000
2	0.100	0.328	35.200	35.292	0.325	14.760	0.921	74.900
3	0.150	0.492	40.760	40.808	0.538	7.670	1.318	74.800
4	0.200	0.656	35.850	35.919	0.735	11.120	2.046	81.500
5	0.250	0.820	27.630	27.668	0.806	6.090	2.913	88.300
6	0.300	0.984	19.400	19.478	0.692	12.430	3.553	103.100
7	0.350	1.148	35.980	36.106	0.693	20.170	1.919	98.900
8	0.400	1.312	42.230	42.251	0.685	3.380	1.621	91.000
9	0.450	1.476	44.040	44.058	0.748	2.950	1.698	88.200
10	0.500	1.640	34.570	34.625	0.801	8.820	2.313	91.000
11	0.550	1.804	29.930	29.959	0.700	4.640	2.337	91.800
12	0.600	1.968	27.470	27.495	0.635	3.930	2.310	92.400
13	0.650	2.133	28.750	28.760	0.540	1.620	1.878	71.700
14	0.700	2.297	27.370	27.368	0.816	-0.250	2.982	74.000
15	0.750	2.461	26.410	26.411	0.809	0.160	3.063	65.900
16	0.800	2.625	55.570	55.605	0.702	5.680	1.262	56.900
17	0.850	2.789	64.800	64.870	0.334	11.220	0.515	47.500
18	0.900	2.953	66.200	66.249	0.966	7.840	1.458	43.200
19	0.950	3.117	64.840	64.896	1.078	9.010	1.661	33.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	27.020	27.112	1.284	14.770	4.736	34.900
21	1.050	3.445	27.120	27.210	1.009	14.350	3.708	27.500
22	1.100	3.609	34.090	34.155	0.514	10.360	1.505	27.900
23	1.150	3.773	16.490	16.668	0.427	28.540	2.562	25.100
24	1.200	3.937	12.230	12.277	0.290	7.500	2.362	23.400
25	1.250	4.101	22.290	22.332	0.303	6.750	1.357	27.200
26	1.300	4.265	30.510	30.623	0.279	18.130	0.911	23.300
27	1.350	4.429	16.550	16.570	0.292	3.180	1.762	23.600
28	1.400	4.593	6.020	6.143	0.390	19.660	6.349	25.300
29	1.450	4.757	32.180	32.249	0.387	11.020	1.200	13.200
30	1.500	4.921	9.170	9.211	0.394	6.630	4.277	24.600
31	1.550	5.085	22.680	22.719	0.394	6.250	1.734	22.700
32	1.600	5.249	43.380	43.502	0.480	19.590	1.103	14.700
33	1.650	5.413	19.040	19.106	0.551	10.540	2.884	18.900
34	1.700	5.577	13.460	13.519	0.562	9.470	4.157	21.800
35	1.750	5.741	21.710	21.764	0.664	8.690	3.051	24.400
36	1.800	5.905	19.980	20.039	0.600	9.500	2.994	33.000
37	1.850	6.069	24.100	24.196	0.665	15.310	2.748	35.300
38	1.900	6.234	32.960	32.993	0.615	5.270	1.864	43.200
39	1.950	6.398	22.910	22.981	0.530	11.430	2.306	47.300
40	2.000	6.562	23.190	23.250	0.436	9.620	1.875	51.300
41	2.050	6.726	12.300	12.294	0.245	-1.040	1.993	57.400
42	2.100	6.890	4.160	4.234	0.243	11.910	5.739	61.800
43	2.150	7.054	4.370	4.427	0.200	9.160	4.518	69.400
44	2.200	7.218	6.980	7.155	0.288	27.990	4.025	65.800
45	2.250	7.382	7.140	7.248	0.358	17.300	4.939	69.400
46	2.300	7.546	6.640	6.765	0.400	20.090	5.912	69.500
47	2.350	7.710	7.570	7.887	0.339	50.850	4.298	75.600
48	2.400	7.874	9.180	9.417	0.242	38.040	2.570	84.300
49	2.450	8.038	20.860	21.066	0.224	33.000	1.063	77.100
50	2.500	8.202	16.040	16.084	0.238	6.990	1.480	74.100
51	2.550	8.366	9.020	9.065	0.198	7.180	2.184	58.000
52	2.600	8.530	5.360	5.407	0.230	7.480	4.254	70.100
53	2.650	8.694	12.030	12.104	0.252	11.800	2.082	60.100
54	2.700	8.858	8.020	8.118	0.271	15.650	3.338	65.000
55	2.750	9.022	8.230	8.389	0.292	25.510	3.481	70.200
56	2.800	9.186	11.840	12.200	0.374	57.660	3.066	76.900
57	2.850	9.350	19.240	19.391	0.570	24.110	2.940	85.500
58	2.900	9.514	41.340	41.545	0.775	32.810	1.865	84.600
59	2.950	9.678	55.670	55.742	1.187	11.570	2.129	82.800
60	3.000	9.842	74.810	74.811	1.599	0.140	2.137	86.000
61	3.050	10.006	62.700	62.706	1.462	0.930	2.332	83.800
62	3.100	10.170	145.410	145.437	1.262	4.290	0.868	65.400
63	3.150	10.335	124.710	124.701	1.318	-1.520	1.057	65.100
64	3.200	10.499	93.510	93.495	1.855	-2.450	1.984	67.900
65	3.250	10.663	72.850	72.863	2.136	2.020	2.932	72.800
66	3.300	10.827	50.130	50.109	2.256	-3.420	4.502	67.500
67	3.350	10.991	56.370	56.408	1.338	6.020	2.372	73.900
68	3.400	11.155	115.990	116.038	1.852	7.730	1.596	97.600
69	3.450	11.319	115.480	115.554	2.520	11.920	2.181	86.600
70	3.500	11.483	95.740	96.022	2.877	45.120	2.996	80.200
71	3.550	11.647	50.710	50.738	2.047	4.420	4.034	65.500
72	3.600	11.811	32.020	32.032	1.085	1.920	3.387	65.600
73	3.650	11.975	49.910	50.104	0.941	31.010	1.878	55.000
74	3.700	12.139	45.300	45.333	0.801	5.300	1.767	46.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	32.570	32.597	0.387	4.290	1.187	40.000
76	3.800	12.467	41.930	41.965	0.232	5.560	0.553	37.600
77	3.850	12.631	73.250	73.289	0.335	6.200	0.457	37.800
78	3.900	12.795	64.280	64.325	0.579	7.260	0.900	48.100
79	3.950	12.959	64.410	64.556	0.485	23.440	0.751	45.900
80	4.000	13.123	65.080	65.111	0.921	4.950	1.415	59.400
81	4.050	13.287	65.640	65.713	0.789	11.640	1.201	68.100
82	4.100	13.451	78.240	78.278	0.839	6.160	1.072	66.500
83	4.150	13.615	70.940	70.985	0.567	7.230	0.799	81.900
84	4.200	13.779	54.090	54.109	0.525	3.070	0.970	73.400
85	4.250	13.943	41.730	41.762	0.267	5.150	0.639	72.300
86	4.300	14.107	36.820	36.868	0.058	7.660	0.157	84.300
87	4.350	14.271	37.100	37.137	0.067	5.910	0.180	83.600
88	4.400	14.436	22.810	22.851	0.206	6.540	0.901	89.200
89	4.450	14.600	22.880	22.923	0.297	6.830	1.296	78.000
90	4.500	14.764	42.030	42.074	0.440	7.030	1.046	68.200
91	4.550	14.928	84.380	84.520	1.006	22.400	1.190	59.700
92	4.600	15.092	84.420	84.639	0.868	35.160	1.026	68.000
93	4.650	15.256	96.950	97.127	1.197	28.340	1.232	66.700
94	4.700	15.420	110.230	110.268	1.208	6.110	1.096	74.700
95	4.750	15.584	49.760	49.959	1.187	31.910	2.376	85.400
96	4.800	15.748	19.720	19.803	0.844	13.320	4.262	74.300
97	4.850	15.912	17.110	17.295	0.475	29.560	2.747	84.800
98	4.900	16.076	19.140	19.326	0.480	29.870	2.484	64.200
99	4.950	16.240	20.270	20.384	0.671	18.300	3.292	52.300
100	5.000	16.404	18.040	18.069	0.716	4.710	3.962	58.500
101	5.050	16.568	17.260	17.288	0.600	4.450	3.471	35.800
102	5.100	16.732	26.250	26.228	0.377	-3.490	1.437	35.400
103	5.150	16.896	36.160	36.205	0.184	7.200	0.508	26.400
104	5.200	17.060	44.330	44.317	0.273	-2.080	0.616	26.700
105	5.250	17.224	40.820	40.881	0.395	9.800	0.966	19.300
106	5.300	17.388	23.050	23.072	0.491	3.510	2.128	22.700
107	5.350	17.552	18.300	18.376	0.528	12.140	2.873	23.200
108	5.400	17.716	25.030	25.053	0.461	3.690	1.840	21.200
109	5.450	17.880	19.270	19.318	0.578	7.740	2.992	20.700
110	5.500	18.044	35.290	35.328	0.710	6.040	2.010	33.500
111	5.550	18.208	19.570	19.744	0.728	27.810	3.687	36.200
112	5.600	18.372	19.120	19.313	0.735	30.910	3.806	46.900
113	5.650	18.537	30.160	30.388	0.612	36.540	2.014	60.200
114	5.700	18.701	30.710	30.746	0.555	5.800	1.805	66.100
115	5.750	18.865	60.380	60.433	0.474	8.460	0.784	62.900
116	5.800	19.029	78.920	78.968	0.586	7.750	0.742	85.700
117	5.850	19.193	74.210	74.238	0.625	4.520	0.842	77.100
118	5.900	19.357	46.110	46.147	0.687	5.900	1.489	70.800
119	5.950	19.521	32.100	32.136	0.598	5.810	1.861	59.300
120	6.000	19.685	20.270	20.303	0.564	5.310	2.778	53.300
121	6.050	19.849	15.330	15.369	0.613	6.320	3.988	41.100
122	6.100	20.013	18.150	18.195	0.543	7.210	2.984	30.400
123	6.150	20.177	13.670	13.772	0.436	16.400	3.166	25.800
124	6.200	20.341	29.490	29.533	0.714	6.870	2.418	21.200
125	6.250	20.505	43.070	43.363	0.728	46.860	1.679	20.600
126	6.300	20.669	17.630	17.675	0.780	7.240	4.413	22.600
127	6.350	20.833	12.190	12.336	0.535	23.380	4.337	25.700
128	6.400	20.997	9.110	9.171	0.395	9.730	4.307	21.300
129	6.450	21.161	11.700	11.774	0.265	11.870	2.251	20.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	8.600	8.668	0.228	10.960	2.630	14.500
131	6.550	21.489	12.060	12.115	0.273	8.800	2.253	17.200
132	6.600	21.653	13.980	14.043	0.311	10.100	2.215	16.000
133	6.650	21.817	14.290	14.355	0.425	10.480	2.961	20.700
134	6.700	21.981	14.350	14.406	0.454	9.010	3.151	21.300
135	6.750	22.145	12.540	12.604	0.549	10.270	4.356	21.500
136	6.800	22.309	10.120	10.165	0.452	7.230	4.447	31.400
137	6.850	22.473	24.760	24.791	0.546	4.990	2.202	29.100
138	6.900	22.638	21.380	21.420	0.658	6.340	3.072	46.400
139	6.950	22.802	19.730	19.832	0.791	16.330	3.989	62.000
140	7.000	22.966	12.520	12.714	0.587	31.050	4.617	70.100
141	7.050	23.130	15.380	15.589	0.497	33.440	3.188	78.500
142	7.100	23.294	23.960	24.122	0.568	25.900	2.355	77.400
143	7.150	23.458	39.040	39.190	0.745	24.060	1.901	76.600
144	7.200	23.622	38.200	38.227	0.643	4.300	1.682	53.800
145	7.250	23.786	37.580	37.610	0.742	4.780	1.973	40.900
146	7.300	23.950	24.530	24.587	0.552	9.130	2.245	33.300
147	7.350	24.114	50.190	50.283	0.546	14.950	1.086	26.900
148	7.400	24.278	36.560	36.597	0.956	5.920	2.612	36.200
149	7.450	24.442	69.900	69.989	1.363	14.280	1.947	27.600
150	7.500	24.606	39.210	39.509	1.423	47.920	3.602	34.600
151	7.550	24.770	16.270	16.311	1.256	6.600	7.700	44.700
152	7.600	24.934	15.090	15.172	0.549	13.200	3.618	58.900
153	7.650	25.098	16.540	16.577	0.440	6.000	2.654	61.100
154	7.700	25.262	18.450	18.514	0.429	10.330	2.317	73.700
155	7.750	25.426	22.510	22.606	0.562	15.310	2.486	83.500
156	7.800	25.590	18.510	18.538	0.548	4.420	2.956	75.000
157	7.850	25.754	22.300	22.367	0.488	10.790	2.182	60.700
158	7.900	25.918	21.810	21.851	0.477	6.600	2.183	56.500
159	7.950	26.082	13.270	13.313	0.399	6.920	2.997	61.300
160	8.000	26.246	17.980	18.028	0.303	7.720	1.681	47.100
161	8.050	26.410	26.180	26.233	0.241	8.530	0.919	45.700
162	8.100	26.574	34.370	34.408	0.223	6.030	0.648	52.900
163	8.150	26.739	22.550	22.594	0.138	7.050	0.611	50.900
164	8.200	26.903	13.320	13.368	0.084	7.750	0.628	46.700
165	8.250	27.067	14.220	14.268	0.124	7.760	0.869	35.100
166	8.300	27.231	16.980	17.024	0.141	7.090	0.828	26.300
167	8.350	27.395	32.430	32.474	0.152	7.090	0.468	33.500
168	8.400	27.559	47.170	47.217	0.232	7.550	0.491	24.600
169	8.450	27.723	41.760	41.805	0.302	7.200	0.722	36.300
170	8.500	27.887	26.250	26.294	0.434	7.090	1.651	37.700
171	8.550	28.051	28.510	28.552	0.531	6.710	1.860	38.700
172	8.600	28.215	57.350	57.409	1.215	9.420	2.116	51.900
173	8.650	28.379	142.090	142.126	1.265	5.770	0.890	45.300
174	8.700	28.543	153.250	153.308	1.702	9.310	1.110	51.200
175	8.750	28.707	161.300	161.365	3.110	10.440	1.927	45.900
176	8.800	28.871	145.480	145.528	3.575	7.610	2.457	50.600
177	8.850	29.035	175.820	175.827	3.080	1.170	1.752	65.600
178	8.900	29.199	104.260	104.279	3.277	3.070	3.143	79.500
179	8.950	29.363	88.160	88.209	3.125	7.770	3.543	80.100
180	9.000	29.527	61.630	61.717	2.290	13.940	3.710	86.300
181	9.050	29.691	46.760	46.854	1.686	15.080	3.598	85.900
182	9.100	29.855	28.670	28.759	1.333	14.290	4.635	69.300
183	9.150	30.019	15.030	15.028	0.831	-0.250	5.530	78.500
184	9.200	30.183	16.020	16.075	0.576	8.810	3.583	67.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	22.790	22.968	0.616	28.440	2.682	66.800
186	9.300	30.511	48.170	48.235	0.606	10.390	1.256	64.500
187	9.350	30.675	49.930	50.026	0.884	15.400	1.767	58.400
188	9.400	30.840	32.260	32.310	0.698	8.040	2.160	57.100
189	9.450	31.004	19.270	19.347	0.845	12.310	4.368	56.100
190	9.500	31.168	24.750	24.885	0.975	21.690	3.918	57.500
191	9.550	31.332	15.700	15.979	0.854	44.670	5.345	49.200
192	9.600	31.496	21.520	21.847	0.790	52.310	3.616	62.200
193	9.650	31.660	21.730	21.812	0.716	13.150	3.283	58.500
194	9.700	31.824	21.440	21.557	0.583	18.730	2.704	58.400
195	9.750	31.988	70.240	70.310	0.776	11.210	1.104	53.900
196	9.800	32.152	135.690	135.740	1.381	8.050	1.017	46.600
197	9.850	32.316	119.790	119.823	1.352	5.240	1.128	49.200
198	9.900	32.480	61.830	61.889	1.578	9.480	2.550	44.500
199	9.950	32.644	97.700	97.772	1.318	11.580	1.348	41.800
200	10.000	32.808	65.810	65.865	1.503	8.830	2.282	30.600
201	10.050	32.972	48.460	48.503	1.398	6.960	2.882	27.300
202	10.100	33.136	32.700	33.172	1.383	75.580	4.169	22.500
203	10.150	33.300	61.930	62.543	1.679	98.250	2.685	13.500
204	10.200	33.464	56.490	56.628	1.895	22.070	3.346	11.600
205	10.250	33.628	88.770	88.903	2.167	21.270	2.437	13.700
206	10.300	33.792	79.320	79.605	2.334	45.730	2.932	15.900
207	10.350	33.956	59.130	59.262	2.235	21.110	3.771	14.100
208	10.400	34.120	36.130	36.448	1.832	50.960	5.026	18.700
209	10.450	34.284	65.050	65.144	1.772	15.110	2.720	18.000
210	10.500	34.448	60.970	61.142	1.458	27.500	2.385	26.400
211	10.550	34.612	47.770	47.795	1.079	4.070	2.258	23.800
212	10.600	34.776	42.910	42.964	0.337	8.640	0.784	25.200
213	10.650	34.941	49.230	49.273	0.153	6.850	0.311	29.800
214	10.700	35.105	53.520	53.555	0.173	5.550	0.323	28.100
215	10.750	35.269	59.650	59.707	0.246	9.140	0.412	23.700
216	10.800	35.433	87.000	87.042	1.009	6.740	1.159	27.900
217	10.850	35.597	108.440	108.535	1.982	15.280	1.826	20.500
218	10.900	35.761	101.330	101.591	2.859	41.870	2.814	20.700
219	10.950	35.925	91.530	91.645	3.093	18.450	3.375	18.800
220	11.000	36.089	75.980	76.161	3.086	28.990	4.052	19.900
221	11.050	36.253	67.670	67.876	2.698	32.930	3.975	27.200
222	11.100	36.417	69.090	69.212	2.248	19.560	3.248	14.500
223	11.150	36.581	59.100	59.304	1.875	32.670	3.162	16.500
224	11.200	36.745	79.990	80.101	1.856	17.750	2.317	15.400
225	11.250	36.909	63.280	63.360	1.895	12.790	2.991	16.400
226	11.300	37.073	39.570	39.653	1.922	13.240	4.847	17.300
227	11.350	37.237	38.370	38.552	1.534	29.100	3.979	12.600
228	11.400	37.401	26.160	26.180	1.081	3.210	4.129	16.600
229	11.450	37.565	45.330	45.457	1.298	20.330	2.855	14.900
230	11.500	37.729	57.090	57.171	0.986	13.050	1.725	22.800
231	11.550	37.893	22.420	22.690	1.276	43.320	5.624	23.100
232	11.600	38.057	48.630	48.783	1.134	24.540	2.325	15.500
233	11.650	38.221	26.560	26.812	1.038	40.400	3.871	17.700
234	11.700	38.385	49.810	50.113	1.352	48.550	2.698	17.700
235	11.750	38.549	46.930	47.043	1.443	18.160	3.067	19.600
236	11.800	38.713	42.590	42.685	1.551	15.170	3.634	18.900
237	11.850	38.877	37.100	37.159	1.512	9.510	4.069	17.800
238	11.900	39.042	55.830	55.877	1.423	7.510	2.547	8.900
239	11.950	39.206	38.590	38.771	1.677	29.010	4.325	14.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	62.320	62.879	2.277	89.620	3.621	15.100
241	12.050	39.534	74.610	74.700	2.241	14.410	3.000	14.700
242	12.100	39.698	64.830	65.195	2.445	58.470	3.750	16.600
243	12.150	39.862	60.600	60.681	1.759	13.040	2.899	14.600
244	12.200	40.026	40.000	40.016	1.615	2.580	4.036	10.800
245	12.250	40.190	67.710	67.797	1.562	13.940	2.304	10.200
246	12.300	40.354	66.060	66.186	1.809	20.160	2.733	15.000
247	12.350	40.518	75.270	75.435	2.115	26.480	2.804	15.100
248	12.400	40.682	60.750	60.915	2.039	26.400	3.347	17.300
249	12.450	40.846	69.950	70.060	1.787	17.590	2.551	21.200
250	12.500	41.010	68.490	68.616	1.556	20.190	2.268	27.200
251	12.550	41.174	42.200	42.302	1.378	16.290	3.258	45.900
252	12.600	41.338	21.560	21.637	1.235	12.290	5.708	47.000
253	12.650	41.502	38.650	38.847	0.972	31.600	2.502	53.100
254	12.700	41.666	42.090	42.152	1.084	9.950	2.572	58.100
255	12.750	41.830	48.580	48.639	1.212	9.450	2.492	52.400
256	12.800	41.994	44.290	44.291	1.291	0.150	2.915	47.400
257	12.850	42.158	21.100	21.129	0.939	4.600	4.444	41.400
258	12.900	42.322	18.540	18.568	0.882	4.540	4.750	24.300
259	12.950	42.486	37.060	37.131	0.916	11.340	2.467	19.300
260	13.000	42.650	26.260	26.307	0.923	7.460	3.509	19.700
261	13.050	42.814	15.210	15.325	0.844	18.500	5.507	15.600
262	13.100	42.978	18.850	19.099	0.728	39.820	3.812	18.300
263	13.150	43.143	26.840	26.930	0.796	14.490	2.956	18.200
264	13.200	43.307	25.200	25.309	0.772	17.510	3.050	19.700
265	13.250	43.471	80.850	80.954	1.239	16.710	1.530	20.300
266	13.300	43.635	58.490	58.573	1.252	13.370	2.137	26.000
267	13.350	43.799	37.720	37.841	1.348	19.390	3.562	32.000
268	13.400	43.963	30.650	30.744	0.921	15.040	2.996	32.800
269	13.450	44.127	31.030	31.166	0.742	21.770	2.381	27.200
270	13.500	44.291	33.390	33.605	1.070	34.390	3.184	28.500
271	13.550	44.455	48.150	48.315	1.250	26.390	2.587	32.200
272	13.600	44.619	58.560	58.673	1.296	18.040	2.209	32.300
273	13.650	44.783	93.290	93.394	1.843	16.680	1.973	41.000
274	13.700	44.947	133.410	133.516	2.019	16.900	1.512	42.000
275	13.750	45.111	128.170	128.220	2.216	8.040	1.728	46.900
276	13.800	45.275	143.440	143.546	2.443	17.020	1.702	39.300
277	13.850	45.439	113.560	113.609	3.189	7.780	2.807	40.300
278	13.900	45.603	69.570	69.604	3.097	5.420	4.449	0.000
279	13.950	45.767	35.890	36.036	2.267	23.430	6.291	0.000
280	14.000	45.931	30.160	30.639	1.753	76.680	5.722	0.000
281	14.050	46.095	36.930	37.045	2.104	18.460	5.680	0.000
282	14.100	46.259	57.700	57.799	3.020	15.920	5.225	0.000
283	14.150	46.423	123.020	123.490	4.051	75.240	3.280	0.000
284	14.200	46.587	141.200	142.175	4.987	156.200	3.508	0.000
285	14.250	46.751	138.040	139.274	5.552	197.630	3.986	0.000
286	14.300	46.915	139.970	140.316	5.522	55.450	3.935	0.000
287	14.350	47.079	131.720	132.072	5.429	56.330	4.111	0.000
288	14.400	47.244	143.860	144.467	4.997	97.250	3.459	0.000
289	14.450	47.408	148.810	151.028	4.279	355.370	2.833	0.000
290	14.500	47.572	114.880	115.025	3.518	23.270	3.058	0.000
291	14.550	47.736	184.490	184.588	3.379	15.720	1.831	0.000
292	14.600	47.900	317.960	318.095	0.000	21.620	0.000	0.000
293	14.650	48.064	335.770	335.870	0.000	16.070	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221536
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-4-1
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-14-2013
CPT Time:	14:06
CPT File:	13-53075_GP4-1.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722062.370
Northing / Lat:	4294273.576
Elevation:	144.481
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
1	0.050	0.164	0.460	0.459	0.007	-0.110	1.524	29.100
2	0.100	0.328	30.890	30.894	0.013	0.610	0.042	23.300
3	0.150	0.492	59.630	59.635	0.293	0.840	0.491	31.200
4	0.200	0.656	86.050	86.055	0.726	0.810	0.844	19.800
5	0.250	0.820	82.930	82.933	0.694	0.550	0.837	22.900
6	0.300	0.984	78.090	78.096	0.643	1.020	0.823	14.000
7	0.350	1.148	76.190	76.200	0.600	1.670	0.787	71.200
8	0.400	1.312	39.440	39.444	0.476	0.610	1.207	51.500
9	0.450	1.476	24.960	24.958	0.356	-0.380	1.426	7.000
10	0.500	1.640	26.180	26.178	0.299	-0.280	1.142	5.200
11	0.550	1.804	43.910	43.912	0.319	0.390	0.726	35.300
12	0.600	1.968	58.060	58.064	0.424	0.610	0.730	93.500
13	0.650	2.133	77.540	77.547	0.568	1.190	0.732	90.400
14	0.700	2.297	95.720	95.730	0.771	1.570	0.805	105.900
15	0.750	2.461	105.880	105.894	1.095	2.180	1.034	82.100
16	0.800	2.625	104.460	104.474	1.068	2.200	1.022	77.400
17	0.850	2.789	96.420	96.433	1.655	2.090	1.716	72.000
18	0.900	2.953	91.070	91.072	1.543	0.390	1.694	61.500
19	0.950	3.117	56.910	56.914	1.735	0.630	3.048	68.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	39.600	39.619	1.233	2.990	3.112	63.700
21	1.050	3.445	29.560	29.585	0.843	4.000	2.849	78.800
22	1.100	3.609	52.580	52.603	1.193	3.750	2.268	74.400
23	1.150	3.773	42.130	42.103	1.122	-4.290	2.665	76.500
24	1.200	3.937	35.500	35.468	1.043	-5.170	2.941	70.400
25	1.250	4.101	32.830	32.791	0.653	-6.180	1.991	69.200
26	1.300	4.265	31.810	31.760	0.460	-8.060	1.448	71.400
27	1.350	4.429	21.640	21.644	0.465	0.570	2.148	32.200
28	1.400	4.593	15.270	15.276	0.350	0.900	2.291	1.700
29	1.450	4.757	13.490	13.502	0.409	1.950	3.029	2.100
30	1.500	4.921	23.570	23.577	0.509	1.090	2.159	44.200
31	1.550	5.085	18.810	18.818	0.680	1.310	3.614	52.200
32	1.600	5.249	18.490	18.510	0.586	3.130	3.166	60.300
33	1.650	5.413	20.300	20.325	0.512	3.930	2.519	75.300
34	1.700	5.577	16.770	16.774	0.610	0.620	3.637	77.600
35	1.750	5.741	23.360	23.352	0.516	-1.350	2.210	84.700
36	1.800	5.905	31.880	31.868	0.640	-1.960	2.008	92.900
37	1.850	6.069	29.140	29.112	0.962	-4.560	3.305	93.200
38	1.900	6.234	44.340	44.310	0.975	-4.810	2.200	80.600
39	1.950	6.398	78.570	78.538	1.723	-5.140	2.194	75.800
40	2.000	6.562	102.840	102.780	2.174	-9.590	2.115	71.500
41	2.050	6.726	93.040	92.972	2.520	-10.880	2.710	72.100
42	2.100	6.890	75.620	75.555	2.351	-10.450	3.112	80.800
43	2.150	7.054	76.410	76.344	1.879	-10.560	2.461	85.100
44	2.200	7.218	75.350	75.281	1.388	-10.980	1.844	92.600
45	2.250	7.382	58.950	58.875	1.059	-12.010	1.799	87.600
46	2.300	7.546	43.650	43.572	0.794	-12.440	1.822	71.900
47	2.350	7.710	28.960	28.946	0.490	-2.200	1.693	64.900
48	2.400	7.874	21.390	21.383	0.423	-1.110	1.978	61.000
49	2.450	8.038	18.370	18.362	0.234	-1.210	1.274	43.200
50	2.500	8.202	18.000	18.001	0.267	0.130	1.483	32.100
51	2.550	8.366	17.470	17.463	0.274	-1.100	1.569	26.800
52	2.600	8.530	18.930	18.921	0.363	-1.380	1.918	22.400
53	2.650	8.694	36.100	36.092	0.535	-1.230	1.482	22.000
54	2.700	8.858	39.290	39.293	0.364	0.460	0.926	11.400
55	2.750	9.022	39.240	39.242	0.815	0.390	2.077	3.600
56	2.800	9.186	73.330	73.336	0.755	0.990	1.030	20.300
57	2.850	9.350	67.040	67.046	0.830	1.010	1.238	20.600
58	2.900	9.514	46.320	46.327	0.780	1.070	1.684	18.300
59	2.950	9.678	16.710	16.711	0.518	0.190	3.100	14.800
60	3.000	9.842	11.950	11.954	0.403	0.590	3.371	22.300
61	3.050	10.006	18.550	18.552	0.320	0.280	1.725	14.200
62	3.100	10.170	20.930	20.938	0.265	1.210	1.266	16.600
63	3.150	10.335	6.700	6.705	0.151	0.730	2.252	21.700
64	3.200	10.499	11.380	11.386	0.159	0.960	1.396	33.100
65	3.250	10.663	37.740	37.749	0.198	1.470	0.525	26.100
66	3.300	10.827	46.690	46.697	0.481	1.150	1.030	41.700
67	3.350	10.991	30.450	30.463	0.603	2.020	1.979	56.900
68	3.400	11.155	14.330	14.350	0.655	3.230	4.564	56.100
69	3.450	11.319	19.310	19.360	0.476	8.060	2.459	32.900
70	3.500	11.483	15.630	15.677	0.412	7.490	2.628	3.500
71	3.550	11.647	14.110	14.137	0.367	4.300	2.596	5.900
72	3.600	11.811	11.440	11.413	0.366	-4.310	3.207	1.800
73	3.650	11.975	10.970	10.941	0.313	-4.570	2.861	3.500
74	3.700	12.139	6.780	6.756	0.184	-3.880	2.724	2.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	8.140	8.117	0.151	-3.740	1.860	33.300
76	3.800	12.467	10.830	10.839	0.212	1.440	1.956	29.700
77	3.850	12.631	13.450	13.458	0.257	1.350	1.910	42.000
78	3.900	12.795	22.600	22.609	0.469	1.370	2.074	48.300
79	3.950	12.959	21.590	21.602	0.553	1.930	2.560	53.600
80	4.000	13.123	16.610	16.629	0.460	3.070	2.766	60.500
81	4.050	13.287	6.950	6.976	0.327	4.240	4.687	73.100
82	4.100	13.451	6.780	6.809	0.212	4.620	3.114	68.300
83	4.150	13.615	7.890	7.919	0.175	4.660	2.210	62.100
84	4.200	13.779	6.110	6.137	0.158	4.390	2.574	70.000
85	4.250	13.943	11.250	11.274	0.163	3.820	1.446	52.400
86	4.300	14.107	23.540	23.563	0.497	3.690	2.109	53.000
87	4.350	14.271	55.460	55.484	0.756	3.870	1.363	47.000
88	4.400	14.436	24.370	24.398	0.783	4.410	3.209	59.000
89	4.450	14.600	15.590	15.626	0.478	5.740	3.059	74.600
90	4.500	14.764	20.070	20.104	0.366	5.380	1.821	69.000
91	4.550	14.928	34.770	34.803	0.603	5.280	1.733	64.800
92	4.600	15.092	47.160	47.193	0.997	5.280	2.113	71.800
93	4.650	15.256	65.930	65.959	1.134	4.610	1.719	56.700
94	4.700	15.420	57.140	57.154	1.155	2.260	2.021	53.700
95	4.750	15.584	87.500	87.511	1.317	1.760	1.505	28.600
96	4.800	15.748	50.020	50.028	1.237	1.320	2.473	14.000
97	4.850	15.912	40.780	40.810	1.320	4.790	3.235	26.000
98	4.900	16.076	42.790	42.829	0.524	6.180	1.223	17.100
99	4.950	16.240	46.750	46.783	0.486	5.240	1.039	20.500
100	5.000	16.404	22.220	22.248	0.392	4.520	1.762	18.300
101	5.050	16.568	13.620	13.653	0.338	5.310	2.476	21.300
102	5.100	16.732	15.880	15.914	0.244	5.380	1.533	16.200
103	5.150	16.896	23.710	23.742	0.185	5.140	0.779	18.000
104	5.200	17.060	27.290	27.322	0.212	5.170	0.776	20.900
105	5.250	17.224	68.120	68.151	0.575	5.000	0.844	21.300
106	5.300	17.388	61.430	61.498	0.733	10.950	1.192	24.200
107	5.350	17.552	40.760	40.826	1.058	10.550	2.591	40.900
108	5.400	17.716	92.870	92.926	0.928	9.040	0.999	45.700
109	5.450	17.880	41.800	41.857	2.409	9.120	5.755	15.400
110	5.500	18.044	37.880	37.939	2.487	9.510	6.555	33.200
111	5.550	18.208	131.900	131.960	2.761	9.570	2.092	47.100
112	5.600	18.372	116.710	116.768	2.249	9.350	1.926	42.400
113	5.650	18.537	75.530	75.579	2.384	7.910	3.154	37.300
114	5.700	18.701	70.530	70.583	2.590	8.460	3.669	29.000
115	5.750	18.865	70.310	70.391	0.878	12.930	1.247	40.800
116	5.800	19.029	42.230	42.293	0.733	10.140	1.733	47.400
117	5.850	19.193	62.000	62.069	0.928	11.050	1.495	42.500
118	5.900	19.357	76.820	76.882	1.046	9.900	1.361	32.900
119	5.950	19.521	35.890	35.955	1.280	10.480	3.560	19.900
120	6.000	19.685	28.080	28.143	1.137	10.080	4.040	19.600
121	6.050	19.849	20.570	20.642	0.786	11.500	3.808	23.800
122	6.100	20.013	14.240	14.308	0.572	10.950	3.998	25.000
123	6.150	20.177	10.370	10.433	0.573	10.160	5.492	24.500
124	6.200	20.341	59.060	59.119	1.503	9.520	2.542	31.400
125	6.250	20.505	156.290	156.352	3.468	9.930	2.218	26.200
126	6.300	20.669	180.450	180.518	4.658	10.860	2.580	26.800
127	6.350	20.833	114.280	114.386	3.725	16.900	3.257	29.700
128	6.400	20.997	103.790	103.878	2.759	14.050	2.656	37.100
129	6.450	21.161	97.770	97.863	1.795	14.960	1.834	54.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	36.400	36.506	1.086	16.960	2.975	75.900
131	6.550	21.489	32.610	32.725	1.026	18.430	3.135	82.600
132	6.600	21.653	33.320	33.437	0.985	18.810	2.946	7.100
133	6.650	21.817	24.000	24.118	0.989	18.910	4.101	5.600
134	6.700	21.981	19.730	19.849	0.982	19.090	4.947	8.000
135	6.750	22.145	26.660	26.781	0.940	19.320	3.510	4.600
136	6.800	22.309	55.310	55.435	1.313	20.040	2.369	74.200
137	6.850	22.473	78.920	79.043	1.407	19.650	1.780	67.200
138	6.900	22.638	101.060	101.179	1.837	19.010	1.816	75.900
139	6.950	22.802	98.660	98.748	2.341	14.110	2.371	56.400
140	7.000	22.966	58.870	58.962	1.916	14.660	3.250	54.800
141	7.050	23.130	63.880	63.964	1.138	13.520	1.779	56.400
142	7.100	23.294	29.770	29.841	0.833	11.310	2.791	60.700
143	7.150	23.458	18.750	18.811	0.662	9.750	3.519	60.300
144	7.200	23.622	91.500	91.561	1.002	9.830	1.094	48.400
145	7.250	23.786	164.670	164.719	1.596	7.770	0.969	49.500
146	7.300	23.950	154.770	154.827	2.333	9.100	1.507	48.000
147	7.350	24.114	192.520	192.575	2.426	8.830	1.260	51.500
148	7.400	24.278	135.980	136.032	2.507	8.300	1.843	58.200
149	7.450	24.442	82.280	82.337	2.521	9.120	3.062	53.300
150	7.500	24.606	46.700	46.766	1.970	10.540	4.212	58.200
151	7.550	24.770	94.960	95.030	1.654	11.160	1.741	51.700
152	7.600	24.934	144.830	144.881	1.385	8.170	0.956	57.500
153	7.650	25.098	111.300	111.345	1.036	7.170	0.930	44.900
154	7.700	25.262	95.470	95.506	1.015	5.700	1.063	45.700
155	7.750	25.426	69.670	69.696	1.272	4.190	1.825	33.700
156	7.800	25.590	67.700	67.735	1.206	5.550	1.780	34.400
157	7.850	25.754	58.160	58.199	1.681	6.260	2.888	30.000
158	7.900	25.918	52.960	53.004	1.645	7.110	3.104	30.200
159	7.950	26.082	43.390	43.444	1.503	8.650	3.460	37.500
160	8.000	26.246	36.360	36.403	1.351	6.920	3.711	45.300
161	8.050	26.410	29.770	29.839	1.264	11.080	4.236	49.000
162	8.100	26.574	29.000	29.077	1.089	12.270	3.745	56.400
163	8.150	26.739	19.760	19.827	1.084	10.660	5.467	61.100
164	8.200	26.903	15.880	15.944	0.610	10.290	3.826	88.200
165	8.250	27.067	19.640	19.690	0.625	8.010	3.174	109.800
166	8.300	27.231	20.700	20.748	0.440	7.690	2.121	148.300
167	8.350	27.395	11.300	11.365	0.489	10.410	4.303	189.500
168	8.400	27.559	33.340	33.404	0.396	10.180	1.186	337.100
169	8.450	27.723	50.720	50.786	0.454	10.610	0.894	498.200
170	8.500	27.887	35.770	35.842	0.607	11.600	1.694	858.600
171	8.550	28.051	30.420	30.486	0.788	10.540	2.585	1630.800
172	8.600	28.215	39.790	39.857	1.001	10.750	2.511	2863.900
173	8.650	28.379	39.850	39.920	1.010	11.230	2.530	4802.300
174	8.700	28.543	35.680	35.751	1.087	11.310	3.041	6553.400
175	8.750	28.707	26.910	26.976	0.919	10.630	3.407	7537.900
176	8.800	28.871	19.260	19.321	0.710	9.770	3.675	8136.600
177	8.850	29.035	15.640	15.705	0.471	10.420	2.999	7915.500
178	8.900	29.199	13.170	13.237	0.520	10.720	3.928	6899.800
179	8.950	29.363	15.970	16.035	0.492	10.440	3.068	5433.200
180	9.000	29.527	30.550	30.614	0.647	10.180	2.113	3861.500
181	9.050	29.691	26.830	26.891	0.709	9.710	2.637	2744.300
182	9.100	29.855	19.810	19.868	0.753	9.270	3.790	1869.000
183	9.150	30.019	23.140	23.197	0.584	9.110	2.518	1410.300
184	9.200	30.183	23.890	23.943	0.483	8.470	2.017	1048.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	36.040	36.091	1.027	8.120	2.846	757.000
186	9.300	30.511	21.740	21.791	0.783	8.150	3.593	591.000
187	9.350	30.675	59.140	59.185	1.018	7.230	1.720	387.200
188	9.400	30.840	69.470	69.513	0.824	6.870	1.185	266.500
189	9.450	31.004	42.220	42.269	0.861	7.910	2.037	236.800
190	9.500	31.168	31.530	31.570	0.611	6.460	1.935	185.900
191	9.550	31.332	21.800	21.838	0.519	6.150	2.377	137.100
192	9.600	31.496	22.230	22.272	0.467	6.720	2.097	104.100
193	9.650	31.660	21.600	21.643	0.486	6.880	2.246	80.700
194	9.700	31.824	36.490	36.537	0.644	7.540	1.763	67.300
195	9.750	31.988	35.460	35.508	0.735	7.760	2.070	48.400
196	9.800	32.152	26.790	26.833	1.026	6.830	3.824	5.700
197	9.850	32.316	52.150	52.204	1.065	8.570	2.040	3.000
198	9.900	32.480	20.360	20.417	0.940	9.150	4.604	0.900
199	9.950	32.644	19.460	19.519	0.913	9.430	4.678	2.300
200	10.000	32.808	22.380	22.436	0.743	8.910	3.312	0.900
201	10.050	32.972	19.040	19.111	0.612	11.420	3.202	1.900
202	10.100	33.136	87.060	87.132	0.422	11.500	0.484	0.900
203	10.150	33.300	186.730	186.792	1.832	9.930	0.981	0.900
204	10.200	33.464	90.240	90.281	1.003	6.640	1.111	1.000
205	10.250	33.628	64.410	64.439	1.126	4.570	1.747	0.000
206	10.300	33.792	93.070	93.134	2.402	10.220	2.579	0.000
207	10.350	33.956	120.940	121.034	2.790	15.000	2.305	2.500
208	10.400	34.120	78.610	78.791	2.483	28.940	3.151	0.000
209	10.450	34.284	127.180	127.327	3.181	23.550	2.498	0.700
210	10.500	34.448	101.900	102.050	2.349	23.970	2.302	1.600
211	10.550	34.612	50.710	50.826	2.232	18.580	4.391	0.400
212	10.600	34.776	50.620	50.719	1.642	15.840	3.237	1.700
213	10.650	34.941	37.700	37.805	1.389	16.830	3.674	0.900
214	10.700	35.105	37.250	37.337	1.092	13.880	2.925	0.900
215	10.750	35.269	18.030	18.107	0.688	12.310	3.800	3.600
216	10.800	35.433	7.970	8.064	0.466	15.030	5.779	2.400
217	10.850	35.597	9.950	10.042	0.292	14.760	2.908	1.800
218	10.900	35.761	9.250	9.351	0.145	16.180	1.551	2.300
219	10.950	35.925	16.920	17.015	0.150	15.270	0.882	2.000
220	11.000	36.089	19.870	19.976	0.315	17.040	1.577	2.000
221	11.050	36.253	16.610	16.716	0.392	16.950	2.345	1.900
222	11.100	36.417	28.980	29.090	0.825	17.700	2.836	1.000
223	11.150	36.581	46.660	46.772	1.214	17.920	2.596	0.500
224	11.200	36.745	48.500	48.630	1.594	20.770	3.278	1.200
225	11.250	36.909	58.180	58.322	2.087	22.720	3.578	3.000
226	11.300	37.073	77.000	77.142	2.172	22.680	2.816	1.200
227	11.350	37.237	118.260	118.384	1.970	19.880	1.664	0.600
228	11.400	37.401	121.050	121.198	2.334	23.630	1.926	0.000
229	11.450	37.565	93.280	93.429	2.444	23.810	2.616	27.300
230	11.500	37.729	57.740	57.886	2.035	23.410	3.516	25.600
231	11.550	37.893	57.700	57.831	1.282	20.920	2.217	23.400
232	11.600	38.057	88.310	88.410	0.965	15.970	1.092	32.300
233	11.650	38.221	60.810	60.921	1.282	17.720	2.104	38.300
234	11.700	38.385	66.020	66.131	1.084	17.830	1.639	37.800
235	11.750	38.549	106.420	106.536	1.042	18.660	0.978	48.500
236	11.800	38.713	106.230	106.330	0.878	16.010	0.826	16.200
237	11.850	38.877	87.480	87.573	0.739	14.880	0.844	51.300
238	11.900	39.042	76.190	76.285	1.037	15.230	1.359	40.000
239	11.950	39.206	41.060	41.144	0.897	13.390	2.180	35.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	39.410	39.485	0.779	12.040	1.973	26.800
241	12.050	39.534	33.510	33.588	1.020	12.520	3.037	22.400
242	12.100	39.698	42.450	42.538	1.337	14.120	3.143	16.000
243	12.150	39.862	49.570	49.661	1.464	14.610	2.948	10.300
244	12.200	40.026	66.860	66.977	2.799	18.750	4.179	16.000
245	12.250	40.190	97.730	97.829	2.917	15.880	2.982	14.400
246	12.300	40.354	46.410	46.539	2.950	20.620	6.339	22.600
247	12.350	40.518	61.350	61.485	2.297	21.580	3.736	15.700
248	12.400	40.682	63.100	63.238	2.035	22.160	3.218	25.200
249	12.450	40.846	63.220	63.360	2.093	22.370	3.303	25.700
250	12.500	41.010	54.490	54.626	1.602	21.860	2.933	26.400
251	12.550	41.174	64.320	64.455	1.721	21.660	2.670	30.200
252	12.600	41.338	77.680	77.818	2.000	22.090	2.570	16.600
253	12.650	41.502	62.210	62.351	1.964	22.530	3.150	16.900
254	12.700	41.666	42.780	42.916	1.838	21.810	4.283	15.000
255	12.750	41.830	54.250	54.365	1.183	18.430	2.176	1.200
256	12.800	41.994	66.580	66.685	1.445	16.770	2.167	13.400
257	12.850	42.158	67.390	67.499	1.495	17.420	2.215	13.400
258	12.900	42.322	61.060	61.187	1.489	20.310	2.434	17.300
259	12.950	42.486	50.860	50.976	1.516	18.640	2.974	12.300
260	13.000	42.650	83.650	83.748	1.738	15.730	2.075	12.600
261	13.050	42.814	54.150	54.281	1.872	21.020	3.449	10.400
262	13.100	42.978	41.460	41.580	1.948	19.160	4.685	15.200
263	13.150	43.143	76.860	76.973	1.646	18.030	2.138	18.300
264	13.200	43.307	63.420	63.535	1.354	18.430	2.131	11.700
265	13.250	43.471	36.140	36.241	1.036	16.100	2.859	12.900
266	13.300	43.635	35.660	35.762	1.096	16.310	3.065	12.900
267	13.350	43.799	51.390	51.478	1.429	14.080	2.776	10.600
268	13.400	43.963	38.910	39.008	1.062	15.650	2.723	12.000
269	13.450	44.127	70.740	70.825	1.211	13.660	1.710	13.600
270	13.500	44.291	29.700	29.788	0.790	14.150	2.652	13.600
271	13.550	44.455	38.460	38.537	0.732	12.350	1.899	13.600
272	13.600	44.619	56.450	56.508	0.234	9.240	0.414	18.900
273	13.650	44.783	65.250	65.313	0.094	10.100	0.144	18.600
274	13.700	44.947	54.730	54.798	0.137	10.900	0.250	12.400
275	13.750	45.111	51.820	51.906	0.529	13.800	1.019	18.900
276	13.800	45.275	54.610	54.680	0.540	11.270	0.988	24.800
277	13.850	45.439	53.020	53.111	0.487	14.500	0.917	33.000
278	13.900	45.603	56.690	56.762	0.835	11.560	1.471	37.500
279	13.950	45.767	72.180	72.257	0.742	12.360	1.027	56.100
280	14.000	45.931	80.480	80.553	0.774	11.760	0.961	46.400
281	14.050	46.095	98.890	98.969	1.117	12.720	1.129	47.100
282	14.100	46.259	105.750	105.846	1.977	15.380	1.868	42.400
283	14.150	46.423	70.520	70.630	1.409	17.610	1.995	53.500
284	14.200	46.587	58.800	58.885	1.942	13.560	3.298	42.800
285	14.250	46.751	73.480	73.546	1.919	10.560	2.609	50.200
286	14.300	46.915	50.820	50.894	2.214	11.860	4.350	33.500
287	14.350	47.079	44.170	44.234	1.756	10.230	3.970	38.000
288	14.400	47.244	43.710	43.790	1.321	12.770	3.017	35.500
289	14.450	47.408	95.870	95.958	2.203	14.020	2.296	42.000
290	14.500	47.572	97.460	97.535	2.222	12.070	2.278	39.500
291	14.550	47.736	87.910	87.979	1.852	10.980	2.105	40.800
292	14.600	47.900	66.680	66.747	1.646	10.710	2.466	41.200
293	14.650	48.064	56.630	56.703	1.352	11.690	2.384	35.900
294	14.700	48.228	36.820	36.892	1.093	11.550	2.963	38.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	33.160	33.235	0.873	12.070	2.627	30.000
296	14.800	48.556	27.130	27.201	0.760	11.390	2.794	34.500
297	14.850	48.720	23.000	23.072	0.724	11.490	3.138	39.500
298	14.900	48.884	18.930	19.002	0.767	11.610	4.036	31.500
299	14.950	49.048	23.540	23.614	0.641	11.900	2.714	34.900
300	15.000	49.212	43.810	43.878	0.686	10.850	1.563	37.200
301	15.050	49.376	70.910	70.980	0.675	11.240	0.951	48.000
302	15.100	49.540	63.830	63.899	1.165	11.100	1.823	49.100
303	15.150	49.704	67.970	68.038	0.915	10.920	1.345	51.800
304	15.200	49.868	73.320	73.382	1.557	9.880	2.122	55.300
305	15.250	50.032	58.420	58.482	1.067	9.890	1.825	50.700
306	15.300	50.196	81.510	81.564	1.130	8.600	1.385	47.200
307	15.350	50.360	62.150	62.186	1.337	5.790	2.150	40.000
308	15.400	50.524	40.900	40.912	1.295	1.990	3.165	28.400
309	15.450	50.688	28.660	28.668	1.236	1.230	4.311	0.000
310	15.500	50.852	36.800	36.808	1.356	1.260	3.684	0.000
311	15.550	51.016	33.570	33.584	1.299	2.260	3.868	0.000
312	15.600	51.180	32.590	32.612	1.240	3.600	3.802	0.000
313	15.650	51.345	39.380	39.410	1.244	4.800	3.157	0.000
314	15.700	51.509	33.630	33.670	1.502	6.380	4.461	0.000
315	15.750	51.673	46.280	46.321	2.257	6.610	4.872	0.000
316	15.800	51.837	137.730	137.777	2.031	7.500	1.474	0.000
317	15.850	52.001	87.190	87.250	2.760	9.580	3.163	0.000
318	15.900	52.165	132.880	132.931	2.754	8.180	2.072	0.000
319	15.950	52.329	71.730	71.775	2.008	7.160	2.798	0.000
320	16.000	52.493	72.130	72.178	1.789	7.700	2.479	0.000
321	16.050	52.657	43.130	43.174	1.174	7.100	2.719	0.000
322	16.100	52.821	54.630	54.683	0.771	8.420	1.410	0.000
323	16.150	52.985	113.290	113.344	0.000	8.680	0.000	0.000
324	16.200	53.149	199.610	199.665	0.000	8.840	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221538
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-4-2
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-14-2013
CPT Time:	15:08
CPT File:	13-53075_GP4-2.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722072.117
Northing / Lat:	4294255.328
Elevation:	145.898
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	0.020	0.020	0.000	-0.070	0.000	22.600
2	0.100	0.328	10.230	10.232	0.027	0.260	0.264	27.900
3	0.150	0.492	34.150	34.153	0.089	0.420	0.261	29.400
4	0.200	0.656	37.820	37.820	0.417	0.040	1.103	47.800
5	0.250	0.820	54.740	54.743	0.550	0.440	1.005	50.900
6	0.300	0.984	53.840	53.850	0.675	1.560	1.253	56.900
7	0.350	1.148	58.160	58.175	2.113	2.350	3.632	62.200
8	0.400	1.312	111.010	111.017	1.428	1.100	1.286	64.300
9	0.450	1.476	164.060	164.075	1.286	2.390	0.784	71.800
10	0.500	1.640	134.940	134.951	1.293	1.810	0.958	73.200
11	0.550	1.804	69.600	69.607	0.928	1.120	1.333	84.900
12	0.600	1.968	52.920	52.923	0.712	0.470	1.345	94.800
13	0.650	2.133	40.550	40.551	0.533	0.130	1.314	91.100
14	0.700	2.297	35.340	35.341	0.571	0.100	1.616	90.600
15	0.750	2.461	29.660	29.660	0.740	0.050	2.495	94.200
16	0.800	2.625	27.290	27.291	0.864	0.200	3.166	85.500
17	0.850	2.789	27.240	27.241	0.861	0.180	3.161	85.500
18	0.900	2.953	25.520	25.525	0.811	0.830	3.177	96.900
19	0.950	3.117	28.150	28.157	0.719	1.140	2.554	103.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	32.230	32.239	0.716	1.370	2.221	96.800
21	1.050	3.445	33.130	33.134	0.697	0.570	2.104	83.900
22	1.100	3.609	30.780	30.779	0.688	-0.160	2.235	81.800
23	1.150	3.773	29.860	29.854	0.532	-0.990	1.782	74.100
24	1.200	3.937	31.590	31.585	0.659	-0.750	2.086	65.000
25	1.250	4.101	35.830	35.823	0.902	-1.140	2.518	60.600
26	1.300	4.265	46.500	46.493	1.252	-1.130	2.693	77.700
27	1.350	4.429	50.680	50.654	1.568	-4.110	3.095	65.100
28	1.400	4.593	57.230	57.199	1.798	-5.030	3.143	71.100
29	1.450	4.757	49.300	49.271	1.284	-4.580	2.606	53.600
30	1.500	4.921	48.960	48.916	1.736	-7.060	3.549	67.900
31	1.550	5.085	53.330	53.277	1.325	-8.410	2.487	57.700
32	1.600	5.249	51.950	51.894	1.181	-8.940	2.276	34.800
33	1.650	5.413	36.660	36.668	0.814	1.250	2.220	30.600
34	1.700	5.577	13.990	14.006	0.671	2.620	4.791	35.900
35	1.750	5.741	16.190	16.215	0.434	3.980	2.677	31.000
36	1.800	5.905	40.990	41.014	0.199	3.860	0.485	31.500
37	1.850	6.069	74.000	74.015	1.289	2.470	1.742	29.500
38	1.900	6.234	106.800	106.822	1.263	3.490	1.182	24.000
39	1.950	6.398	76.980	76.983	1.517	0.530	1.971	21.700
40	2.000	6.562	78.530	78.525	1.439	-0.790	1.833	25.900
41	2.050	6.726	49.850	49.847	1.027	-0.470	2.060	26.800
42	2.100	6.890	41.900	41.889	0.886	-1.700	2.115	25.300
43	2.150	7.054	22.260	22.252	0.999	-1.310	4.490	20.600
44	2.200	7.218	14.280	14.285	0.447	0.870	3.129	22.400
45	2.250	7.382	35.790	35.815	0.442	4.000	1.234	18.200
46	2.300	7.546	129.720	129.735	1.067	2.430	0.822	10.800
47	2.350	7.710	97.920	97.932	1.480	1.980	1.511	12.100
48	2.400	7.874	29.360	29.377	1.545	2.670	5.259	13.200
49	2.450	8.038	24.980	24.988	0.976	1.290	3.906	12.100
50	2.500	8.202	26.940	26.951	0.708	1.800	2.627	19.800
51	2.550	8.366	12.190	12.202	0.410	1.910	3.360	12.000
52	2.600	8.530	14.570	14.579	0.377	1.410	2.586	20.900
53	2.650	8.694	21.680	21.689	0.267	1.440	1.231	16.000
54	2.700	8.858	35.080	35.088	0.502	1.320	1.431	21.800
55	2.750	9.022	54.550	54.560	0.803	1.620	1.472	18.200
56	2.800	9.186	29.910	29.930	1.002	3.150	3.348	21.900
57	2.850	9.350	29.230	29.238	1.032	1.350	3.530	24.300
58	2.900	9.514	29.610	29.622	0.977	1.970	3.298	26.400
59	2.950	9.678	15.870	15.885	0.747	2.420	4.703	33.800
60	3.000	9.842	17.380	17.411	0.655	4.960	3.762	34.700
61	3.050	10.006	37.270	37.286	0.702	2.540	1.883	32.600
62	3.100	10.170	66.660	66.671	0.905	1.840	1.357	26.600
63	3.150	10.335	62.030	62.047	1.122	2.690	1.808	41.200
64	3.200	10.499	48.720	48.735	1.168	2.460	2.397	36.200
65	3.250	10.663	33.470	33.487	0.990	2.680	2.956	42.300
66	3.300	10.827	37.750	37.781	0.939	4.930	2.485	60.500
67	3.350	10.991	35.150	35.177	0.822	4.400	2.337	73.300
68	3.400	11.155	17.290	17.350	0.793	9.590	4.571	81.600
69	3.450	11.319	45.280	45.350	0.778	11.280	1.716	77.400
70	3.500	11.483	62.230	62.274	1.077	7.070	1.729	86.600
71	3.550	11.647	86.700	86.728	1.194	4.410	1.377	86.500
72	3.600	11.811	61.060	61.067	1.611	1.080	2.638	75.600
73	3.650	11.975	41.510	41.505	2.113	-0.770	5.091	70.500
74	3.700	12.139	38.800	38.789	1.467	-1.830	3.782	89.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	35.970	35.953	1.211	-2.780	3.368	90.200
76	3.800	12.467	33.450	33.434	0.968	-2.580	2.895	83.800
77	3.850	12.631	37.860	37.851	1.044	-1.520	2.758	81.300
78	3.900	12.795	30.060	30.048	0.871	-1.930	2.899	68.500
79	3.950	12.959	54.270	54.259	0.881	-1.730	1.624	80.800
80	4.000	13.123	73.770	73.764	0.977	-0.910	1.324	71.300
81	4.050	13.287	42.660	42.657	1.074	-0.490	2.518	61.700
82	4.100	13.451	22.540	22.536	0.877	-0.600	3.892	59.000
83	4.150	13.615	13.210	13.204	0.490	-0.950	3.711	51.300
84	4.200	13.779	11.400	11.390	0.347	-1.550	3.046	35.000
85	4.250	13.943	13.500	13.501	0.439	0.120	3.252	42.200
86	4.300	14.107	18.880	18.884	0.500	0.590	2.648	20.400
87	4.350	14.271	29.780	29.777	0.687	-0.410	2.307	21.400
88	4.400	14.436	72.080	72.077	0.693	-0.410	0.961	12.700
89	4.450	14.600	105.150	105.152	1.071	0.300	1.019	16.900
90	4.500	14.764	142.160	142.161	1.548	0.150	1.089	12.600
91	4.550	14.928	62.350	62.358	1.688	1.280	2.707	17.500
92	4.600	15.092	53.600	53.600	0.904	0.080	1.687	12.100
93	4.650	15.256	78.180	78.181	0.336	0.090	0.430	15.100
94	4.700	15.420	48.530	48.528	0.564	-0.400	1.162	12.000
95	4.750	15.584	49.280	49.283	0.570	0.500	1.157	10.200
96	4.800	15.748	28.280	28.279	0.891	-0.210	3.151	9.600
97	4.850	15.912	53.980	53.978	1.083	-0.360	2.006	11.000
98	4.900	16.076	27.060	27.063	0.993	0.470	3.669	12.600
99	4.950	16.240	25.500	25.510	0.753	1.550	2.952	12.100
100	5.000	16.404	32.090	32.104	0.675	2.300	2.103	13.300
101	5.050	16.568	20.690	20.706	0.547	2.540	2.642	8.700
102	5.100	16.732	20.240	20.268	0.455	4.550	2.245	6.900
103	5.150	16.896	19.840	19.862	0.336	3.560	1.692	10.500
104	5.200	17.060	23.090	23.110	0.259	3.230	1.121	13.000
105	5.250	17.224	18.340	18.357	0.548	2.660	2.985	10.700
106	5.300	17.388	36.390	36.399	0.536	1.520	1.473	18.100
107	5.350	17.552	37.610	37.642	0.868	5.180	2.306	11.600
108	5.400	17.716	41.710	41.736	0.713	4.210	1.708	18.600
109	5.450	17.880	27.110	27.123	0.739	2.120	2.725	20.400
110	5.500	18.044	18.660	18.677	0.442	2.720	2.367	16.100
111	5.550	18.208	28.010	28.032	0.333	3.600	1.188	20.800
112	5.600	18.372	129.280	129.313	0.782	5.280	0.605	21.500
113	5.650	18.537	156.450	156.467	0.977	2.760	0.624	26.900
114	5.700	18.701	95.230	95.237	1.012	1.080	1.063	34.400
115	5.750	18.865	65.920	65.915	1.224	-0.880	1.857	32.100
116	5.800	19.029	44.340	44.339	0.997	-0.150	2.249	27.600
117	5.850	19.193	34.790	34.797	0.802	1.150	2.305	23.500
118	5.900	19.357	37.790	37.787	0.801	-0.420	2.120	19.500
119	5.950	19.521	31.680	31.691	0.914	1.770	2.884	16.500
120	6.000	19.685	25.070	25.085	0.847	2.330	3.377	18.800
121	6.050	19.849	27.020	27.045	0.961	3.970	3.553	17.200
122	6.100	20.013	42.420	42.451	1.010	4.950	2.379	13.700
123	6.150	20.177	51.990	52.014	1.420	3.780	2.730	13.700
124	6.200	20.341	70.850	70.870	1.693	3.230	2.389	11.100
125	6.250	20.505	61.120	61.168	1.714	7.690	2.802	12.900
126	6.300	20.669	43.580	43.610	1.939	4.750	4.446	12.500
127	6.350	20.833	37.130	37.164	1.368	5.380	3.681	11.400
128	6.400	20.997	24.200	24.263	0.893	10.060	3.681	14.300
129	6.450	21.161	24.280	24.319	0.580	6.270	2.385	12.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	53.090	53.121	0.538	4.920	1.013	17.500
131	6.550	21.489	69.470	69.503	0.906	5.240	1.304	12.300
132	6.600	21.653	38.760	38.790	0.949	4.780	2.447	15.000
133	6.650	21.817	27.060	27.094	0.783	5.480	2.890	18.100
134	6.700	21.981	24.390	24.413	0.498	3.760	2.040	20.400
135	6.750	22.145	5.490	5.509	0.365	2.990	6.626	23.600
136	6.800	22.309	6.910	6.936	0.130	4.240	1.874	40.600
137	6.850	22.473	143.060	143.091	0.308	4.910	0.215	46.200
138	6.900	22.638	240.900	240.927	0.155	4.320	0.064	59.000
139	6.950	22.802	237.910	237.948	0.000	6.150	0.000	66.700
140	7.000	22.966	127.650	127.683	0.236	5.320	0.185	69.100
141	7.050	23.130	111.230	111.256	0.876	4.210	0.787	66.700
142	7.100	23.294	77.980	77.998	1.317	2.950	1.688	58.800
143	7.150	23.458	72.000	72.014	0.653	2.170	0.907	51.800
144	7.200	23.622	80.520	80.527	0.883	1.110	1.097	40.000
145	7.250	23.786	214.650	214.660	1.672	1.550	0.779	29.700
146	7.300	23.950	94.540	94.578	1.335	6.090	1.412	45.000
147	7.350	24.114	91.260	91.296	0.987	5.730	1.081	43.600
148	7.400	24.278	84.430	84.460	0.565	4.830	0.669	52.500
149	7.450	24.442	68.160	68.192	0.319	5.060	0.468	59.900
150	7.500	24.606	72.250	72.286	0.184	5.760	0.255	75.500
151	7.550	24.770	79.920	79.957	0.122	5.920	0.153	81.800
152	7.600	24.934	84.520	84.554	0.238	5.470	0.281	90.500
153	7.650	25.098	89.630	89.664	0.292	5.400	0.326	99.800
154	7.700	25.262	88.250	88.284	0.343	5.370	0.389	71.900
155	7.750	25.426	84.390	84.416	0.436	4.180	0.516	72.800
156	7.800	25.590	89.340	89.361	0.515	3.370	0.576	80.000
157	7.850	25.754	79.090	79.109	0.479	3.040	0.605	61.100
158	7.900	25.918	78.180	78.203	0.439	3.640	0.561	59.400
159	7.950	26.082	81.630	81.653	0.689	3.740	0.844	60.100
160	8.000	26.246	101.590	101.611	0.338	3.380	0.333	54.200
161	8.050	26.410	113.610	113.629	0.565	3.020	0.497	60.900
162	8.100	26.574	146.540	146.558	1.080	2.880	0.737	69.000
163	8.150	26.739	125.570	125.595	1.139	4.010	0.907	78.500
164	8.200	26.903	108.600	108.627	0.809	4.400	0.745	69.900
165	8.250	27.067	97.940	97.961	0.701	3.420	0.716	73.400
166	8.300	27.231	76.160	76.180	0.530	3.260	0.696	71.000
167	8.350	27.395	78.240	78.259	0.487	3.070	0.622	69.700
168	8.400	27.559	71.310	71.312	0.575	0.270	0.806	60.100
169	8.450	27.723	69.520	69.523	0.992	0.540	1.427	50.200
170	8.500	27.887	93.230	93.232	0.844	0.250	0.905	45.700
171	8.550	28.051	75.770	75.772	2.312	0.270	3.051	39.500
172	8.600	28.215	81.800	81.804	0.500	0.640	0.611	39.700
173	8.650	28.379	199.490	199.499	0.013	1.440	0.007	26.100
174	8.700	28.543	146.630	146.633	0.015	0.560	0.010	21.300
175	8.750	28.707	124.950	124.952	0.016	0.380	0.013	25.000
176	8.800	28.871	100.120	100.122	0.016	0.270	0.016	16.700
177	8.850	29.035	111.350	111.354	0.044	0.650	0.040	16.500
178	8.900	29.199	106.610	106.615	0.698	0.880	0.655	18.600
179	8.950	29.363	99.410	99.421	0.736	1.730	0.740	19.800
180	9.000	29.527	137.360	137.370	1.277	1.670	0.930	21.600
181	9.050	29.691	99.030	99.039	1.381	1.410	1.394	25.500
182	9.100	29.855	99.330	99.348	1.212	2.960	1.220	35.500
183	9.150	30.019	100.610	100.626	1.215	2.600	1.207	40.300
184	9.200	30.183	74.280	74.297	1.098	2.660	1.478	47.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	68.960	68.975	1.284	2.480	1.862	60.600
186	9.300	30.511	80.450	80.469	1.026	3.120	1.275	74.500
187	9.350	30.675	93.770	93.790	0.871	3.210	0.929	85.200
188	9.400	30.840	100.160	100.171	0.769	1.830	0.768	72.900
189	9.450	31.004	99.980	99.976	0.897	-0.650	0.897	67.300
190	9.500	31.168	99.530	99.521	0.939	-1.520	0.944	55.100
191	9.550	31.332	80.900	80.887	1.010	-2.080	1.249	43.500
192	9.600	31.496	114.610	114.603	0.841	-1.120	0.734	31.100
193	9.650	31.660	89.380	89.372	0.767	-1.310	0.858	24.200
194	9.700	31.824	102.700	102.688	0.898	-1.860	0.874	39.100
195	9.750	31.988	84.140	84.137	0.874	-0.450	1.039	39.400
196	9.800	32.152	83.810	83.808	0.581	-0.390	0.693	39.600
197	9.850	32.316	95.460	95.458	0.709	-0.350	0.743	49.200
198	9.900	32.480	110.720	110.719	0.776	-0.240	0.701	51.400
199	9.950	32.644	99.640	99.640	0.937	0.030	0.940	68.900
200	10.000	32.808	80.820	80.819	1.082	-0.140	1.339	72.700
201	10.050	32.972	65.190	65.190	1.170	-0.040	1.795	93.100
202	10.100	33.136	64.060	64.061	1.384	0.110	2.160	127.000
203	10.150	33.300	68.110	68.112	1.328	0.250	1.950	151.300
204	10.200	33.464	64.750	64.751	0.325	0.100	0.502	257.400
205	10.250	33.628	65.820	65.821	0.385	0.100	0.585	375.700
206	10.300	33.792	81.940	81.945	0.432	0.810	0.527	565.000
207	10.350	33.956	51.090	51.095	0.715	0.870	1.399	677.400
208	10.400	34.120	45.370	45.378	0.647	1.300	1.426	593.700
209	10.450	34.284	58.980	58.994	0.798	2.200	1.353	415.400
210	10.500	34.448	63.280	63.289	0.515	1.440	0.814	279.100
211	10.550	34.612	48.330	48.337	0.118	1.050	0.244	175.400
212	10.600	34.776	47.070	47.076	0.045	0.930	0.096	122.500
213	10.650	34.941	52.660	52.664	0.639	0.570	1.213	77.900
214	10.700	35.105	35.030	35.033	0.861	0.470	2.458	61.200
215	10.750	35.269	61.560	61.568	0.860	1.280	1.397	42.600
216	10.800	35.433	47.510	47.517	0.968	1.080	2.037	35.900
217	10.850	35.597	38.480	38.487	1.207	1.140	3.136	31.700
218	10.900	35.761	67.280	67.287	0.966	1.150	1.436	27.700
219	10.950	35.925	60.770	60.781	0.361	1.700	0.594	26.300
220	11.000	36.089	71.060	71.069	0.270	1.510	0.380	18.300
221	11.050	36.253	83.630	83.638	0.000	1.250	0.000	16.900
222	11.100	36.417	108.200	108.210	0.376	1.550	0.347	16.000
223	11.150	36.581	82.560	82.570	0.688	1.650	0.833	10.000
224	11.200	36.745	34.220	34.226	0.506	0.960	1.478	11.400
225	11.250	36.909	28.560	28.565	0.194	0.740	0.679	15.100
226	11.300	37.073	48.670	48.675	0.400	0.860	0.822	16.200
227	11.350	37.237	55.690	55.700	0.462	1.530	0.829	16.700
228	11.400	37.401	56.690	56.700	0.401	1.600	0.707	22.800
229	11.450	37.565	45.700	45.712	0.371	1.990	0.812	19.600
230	11.500	37.729	46.910	46.921	0.684	1.700	1.458	19.100
231	11.550	37.893	66.770	66.780	0.695	1.610	1.041	18.500
232	11.600	38.057	81.300	81.312	0.594	1.890	0.731	13.400
233	11.650	38.221	90.220	90.245	0.779	4.060	0.863	14.600
234	11.700	38.385	125.310	125.333	1.398	3.730	1.115	14.800
235	11.750	38.549	114.130	114.158	0.947	4.480	0.830	12.200
236	11.800	38.713	101.040	101.071	1.085	4.930	1.074	15.300
237	11.850	38.877	78.560	78.584	0.523	3.880	0.666	16.900
238	11.900	39.042	59.940	59.966	0.553	4.190	0.922	18.900
239	11.950	39.206	56.280	56.309	0.574	4.570	1.019	26.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	59.670	59.697	0.254	4.400	0.425	20.400
241	12.050	39.534	59.570	59.597	0.233	4.300	0.391	25.900
242	12.100	39.698	61.720	61.745	0.671	3.960	1.087	23.700
243	12.150	39.862	48.370	48.392	0.598	3.590	1.236	42.300
244	12.200	40.026	82.050	82.075	0.458	4.050	0.558	35.400
245	12.250	40.190	117.980	118.006	0.192	4.160	0.163	40.700
246	12.300	40.354	103.620	103.647	0.645	4.280	0.622	34.500
247	12.350	40.518	96.770	96.797	0.796	4.330	0.822	32.600
248	12.400	40.682	63.060	63.085	0.833	4.020	1.320	29.600
249	12.450	40.846	56.150	56.175	0.943	4.000	1.679	21.500
250	12.500	41.010	50.120	50.145	1.143	4.010	2.279	20.300
251	12.550	41.174	52.660	52.687	0.974	4.320	1.849	18.200
252	12.600	41.338	63.440	63.467	0.737	4.330	1.161	19.600
253	12.650	41.502	78.420	78.445	0.865	4.070	1.103	19.700
254	12.700	41.666	70.710	70.739	0.354	4.660	0.500	16.100
255	12.750	41.830	83.510	83.538	1.355	4.470	1.622	16.400
256	12.800	41.994	75.600	75.625	1.385	3.980	1.831	12.700
257	12.850	42.158	116.170	116.191	1.176	3.370	1.012	16.500
258	12.900	42.322	142.910	142.935	1.056	4.020	0.739	16.600
259	12.950	42.486	119.120	119.153	1.298	5.220	1.089	12.800
260	13.000	42.650	120.790	120.829	1.346	6.190	1.114	15.400
261	13.050	42.814	142.570	142.609	2.001	6.310	1.403	22.300
262	13.100	42.978	164.560	164.598	1.808	6.060	1.098	30.400
263	13.150	43.143	147.430	147.474	1.206	7.010	0.818	28.700
264	13.200	43.307	175.380	175.422	0.994	6.740	0.567	39.300
265	13.250	43.471	96.100	96.143	0.695	6.830	0.723	52.800
266	13.300	43.635	91.040	91.082	0.264	6.680	0.290	44.500
267	13.350	43.799	77.600	77.641	0.020	6.520	0.026	58.800
268	13.400	43.963	53.400	53.440	0.033	6.360	0.062	58.400
269	13.450	44.127	43.760	43.797	0.041	5.930	0.094	59.900
270	13.500	44.291	45.050	45.086	0.000	5.750	0.000	50.700
271	13.550	44.455	55.810	55.847	0.124	5.850	0.222	63.000
272	13.600	44.619	56.350	56.386	0.185	5.750	0.328	67.900
273	13.650	44.783	65.810	65.850	0.230	6.370	0.349	69.800
274	13.700	44.947	67.710	67.751	0.039	6.500	0.058	77.700
275	13.750	45.111	63.050	63.089	0.000	6.220	0.000	82.400
276	13.800	45.275	59.860	59.897	0.029	5.900	0.048	94.000
277	13.850	45.439	46.890	46.926	0.340	5.730	0.725	81.400
278	13.900	45.603	53.250	53.285	0.809	5.680	1.518	73.700
279	13.950	45.767	96.130	96.168	1.617	6.030	1.681	73.200
280	14.000	45.931	128.540	128.573	1.775	5.350	1.381	64.500
281	14.050	46.095	149.080	149.111	0.691	4.920	0.463	69.100
282	14.100	46.259	174.520	174.552	0.590	5.130	0.338	72.900
283	14.150	46.423	143.270	143.312	0.158	6.710	0.110	70.300
284	14.200	46.587	129.270	129.312	0.128	6.790	0.099	63.600
285	14.250	46.751	120.940	120.980	0.120	6.470	0.099	54.600
286	14.300	46.915	88.340	88.380	0.167	6.340	0.189	50.900
287	14.350	47.079	73.210	73.248	0.239	6.140	0.326	40.400
288	14.400	47.244	70.590	70.626	0.236	5.700	0.334	35.900
289	14.450	47.408	84.500	84.534	0.670	5.380	0.793	34.000
290	14.500	47.572	104.650	104.683	1.142	5.270	1.091	25.700
291	14.550	47.736	101.190	101.223	1.096	5.260	1.083	21.900
292	14.600	47.900	115.190	115.224	1.808	5.370	1.569	23.900
293	14.650	48.064	102.390	102.425	2.412	5.550	2.355	19.200
294	14.700	48.228	111.330	111.370	2.958	6.400	2.656	28.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	151.330	151.367	2.691	5.930	1.778	17.500
296	14.800	48.556	117.300	117.335	0.835	5.540	0.712	21.400
297	14.850	48.720	125.390	125.424	1.704	5.380	1.359	21.900
298	14.900	48.884	238.450	238.482	2.324	5.100	0.974	21.200
299	14.950	49.048	254.610	254.644	2.076	5.400	0.815	23.200
300	15.000	49.212	247.830	247.863	1.623	5.330	0.655	26.500
301	15.050	49.376	208.440	208.477	0.665	6.000	0.319	34.700
302	15.100	49.540	164.750	164.785	1.315	5.660	0.798	35.200
303	15.150	49.704	190.010	190.025	1.658	2.370	0.873	37.200
304	15.200	49.868	232.770	232.785	1.210	2.330	0.520	42.100
305	15.250	50.032	214.830	214.829	0.286	-0.230	0.133	49.300
306	15.300	50.196	177.530	177.525	0.598	-0.750	0.337	35.700
307	15.350	50.360	169.320	169.318	1.438	-0.280	0.849	0.000
308	15.400	50.524	191.830	191.831	1.809	0.180	0.943	0.000
309	15.450	50.688	191.700	191.712	4.660	1.940	2.431	0.000
310	15.500	50.852	212.320	212.332	5.263	2.000	2.479	0.000
311	15.550	51.016	218.240	218.256	3.076	2.640	1.409	0.000
312	15.600	51.180	205.510	205.528	1.644	2.820	0.800	0.000
313	15.650	51.345	190.030	190.050	0.955	3.230	0.502	0.000
314	15.700	51.509	133.550	133.570	1.323	3.170	0.990	0.000
315	15.750	51.673	138.130	138.154	1.907	3.880	1.380	0.000
316	15.800	51.837	105.120	105.145	1.956	3.990	1.860	0.000
317	15.850	52.001	120.990	121.015	1.850	3.930	1.529	0.000
318	15.900	52.165	92.590	92.615	1.830	3.940	1.976	0.000
319	15.950	52.329	110.520	110.544	1.864	3.840	1.686	0.000
320	16.000	52.493	151.900	151.925	1.973	4.030	1.299	0.000
321	16.050	52.657	195.890	195.916	0.000	4.100	0.000	0.000
322	16.100	52.821	214.350	214.377	0.000	4.340	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221540
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-5-1
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-19-2013
CPT Time:	10:23
CPT File:	13-53075_GP5-1.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722090.131
Northing / Lat:	4294308.192
Elevation:	144.256
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	16.220	16.221	0.002	0.150	0.012	29.700
2	0.100	0.328	65.470	65.470	0.157	0.080	0.240	35.500
3	0.150	0.492	58.430	58.432	0.278	0.270	0.476	46.500
4	0.200	0.656	54.510	54.513	0.406	0.540	0.745	45.700
5	0.250	0.820	44.720	44.726	0.328	0.960	0.733	63.500
6	0.300	0.984	46.090	46.094	0.422	0.720	0.916	63.600
7	0.350	1.148	25.520	25.525	0.506	0.840	1.982	74.400
8	0.400	1.312	10.470	10.474	0.466	0.660	4.449	98.100
9	0.450	1.476	8.790	8.794	0.408	0.680	4.639	85.700
10	0.500	1.640	10.010	10.005	0.401	-0.770	4.008	86.800
11	0.550	1.804	19.990	19.981	0.625	-1.510	3.128	95.200
12	0.600	1.968	43.700	43.702	1.100	0.390	2.517	95.600
13	0.650	2.133	64.110	64.114	1.573	0.710	2.453	94.600
14	0.700	2.297	79.570	79.572	1.781	0.320	2.238	97.700
15	0.750	2.461	90.230	90.231	1.720	0.230	1.906	96.500
16	0.800	2.625	97.240	97.241	1.356	0.170	1.394	93.000
17	0.850	2.789	95.910	95.910	1.095	-0.080	1.142	97.100
18	0.900	2.953	88.180	88.179	1.164	-0.160	1.320	80.800
19	0.950	3.117	63.810	63.807	1.041	-0.470	1.631	71.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	46.810	46.808	0.751	-0.350	1.604	59.000
21	1.050	3.445	32.140	32.138	0.573	-0.380	1.783	50.800
22	1.100	3.609	21.210	21.207	0.535	-0.420	2.523	40.300
23	1.150	3.773	17.860	17.859	0.405	-0.180	2.268	32.900
24	1.200	3.937	16.080	16.084	0.339	0.630	2.108	26.600
25	1.250	4.101	26.640	26.644	0.439	0.670	1.648	25.000
26	1.300	4.265	27.420	27.427	0.486	1.080	1.772	24.800
27	1.350	4.429	19.000	19.006	0.531	0.920	2.794	24.800
28	1.400	4.593	38.430	38.438	0.424	1.340	1.103	24.000
29	1.450	4.757	30.280	30.288	0.521	1.210	1.720	30.700
30	1.500	4.921	18.910	18.915	0.469	0.740	2.480	20.800
31	1.550	5.085	14.780	14.786	0.310	0.900	2.097	35.400
32	1.600	5.249	19.640	19.646	0.374	1.020	1.904	47.100
33	1.650	5.413	27.210	27.213	0.415	0.410	1.525	57.900
34	1.700	5.577	15.380	15.372	0.395	-1.330	2.570	69.400
35	1.750	5.741	10.110	10.098	0.292	-1.890	2.892	73.300
36	1.800	5.905	11.960	11.950	0.307	-1.630	2.569	72.500
37	1.850	6.069	14.030	14.029	0.367	-0.200	2.616	87.200
38	1.900	6.234	15.190	15.190	0.397	-0.060	2.614	81.000
39	1.950	6.398	20.020	20.017	0.428	-0.470	2.138	85.400
40	2.000	6.562	14.330	14.288	0.443	-6.650	3.100	85.100
41	2.050	6.726	10.130	10.087	0.366	-6.870	3.628	83.000
42	2.100	6.890	9.550	9.523	0.305	-4.360	3.203	62.900
43	2.150	7.054	14.560	14.554	0.229	-0.990	1.573	58.000
44	2.200	7.218	19.470	19.476	0.316	0.970	1.623	45.300
45	2.250	7.382	51.380	51.382	0.701	0.370	1.364	41.800
46	2.300	7.546	45.040	45.046	0.582	0.980	1.292	30.200
47	2.350	7.710	43.180	43.188	0.806	1.220	1.866	23.700
48	2.400	7.874	34.410	34.412	0.681	0.250	1.979	21.300
49	2.450	8.038	11.100	11.101	0.609	0.110	5.486	23.000
50	2.500	8.202	7.530	7.535	0.403	0.800	5.348	23.800
51	2.550	8.366	6.760	6.763	0.313	0.530	4.628	25.900
52	2.600	8.530	5.480	5.484	0.276	0.630	5.033	26.900
53	2.650	8.694	2.940	2.960	0.140	3.230	4.729	30.100
54	2.700	8.858	5.870	5.893	0.170	3.620	2.885	37.400
55	2.750	9.022	23.660	23.674	0.504	2.310	2.129	58.200
56	2.800	9.186	22.400	22.442	0.614	6.800	2.736	63.200
57	2.850	9.350	21.590	21.612	0.707	3.490	3.271	68.200
58	2.900	9.514	25.100	25.112	0.498	1.860	1.983	75.800
59	2.950	9.678	29.850	29.855	0.595	0.800	1.993	86.400
60	3.000	9.842	37.640	37.648	0.700	1.270	1.859	75.000
61	3.050	10.006	29.840	29.830	0.776	-1.600	2.601	82.200
62	3.100	10.170	20.460	20.437	0.652	-3.710	3.190	69.200
63	3.150	10.335	16.220	16.242	0.279	3.500	1.718	68.400
64	3.200	10.499	23.520	23.536	0.637	2.570	2.706	43.600
65	3.250	10.663	38.250	38.289	0.850	6.230	2.220	40.400
66	3.300	10.827	25.920	25.919	1.108	-0.100	4.275	47.200
67	3.350	10.991	19.500	19.513	1.246	2.030	6.386	36.400
68	3.400	11.155	18.570	18.591	1.414	3.350	7.606	39.700
69	3.450	11.319	25.610	25.632	1.251	3.470	4.881	39.000
70	3.500	11.483	25.360	25.375	1.079	2.480	4.252	33.900
71	3.550	11.647	21.670	21.661	0.725	-1.450	3.347	29.500
72	3.600	11.811	7.850	7.849	0.527	-0.090	6.714	30.600
73	3.650	11.975	20.830	20.828	0.928	-0.310	4.456	25.300
74	3.700	12.139	22.410	22.417	0.989	1.160	4.412	29.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	20.390	20.395	1.328	0.830	6.511	29.700
76	3.800	12.467	27.390	27.390	1.132	0.070	4.133	21.800
77	3.850	12.631	23.880	23.883	0.755	0.520	3.161	20.400
78	3.900	12.795	20.120	20.120	0.953	0.080	4.736	17.200
79	3.950	12.959	29.560	29.561	1.164	0.230	3.938	23.300
80	4.000	13.123	35.370	35.389	1.441	3.000	4.072	16.200
81	4.050	13.287	62.160	62.274	1.442	18.210	2.316	20.500
82	4.100	13.451	41.010	41.066	1.478	8.960	3.599	26.800
83	4.150	13.615	35.590	35.616	1.479	4.120	4.153	35.100
84	4.200	13.779	20.500	20.525	1.176	3.950	5.730	31.600
85	4.250	13.943	11.920	11.955	0.841	5.660	7.035	58.700
86	4.300	14.107	9.020	9.075	0.447	8.860	4.925	73.400
87	4.350	14.271	17.560	17.631	0.451	11.420	2.558	78.700
88	4.400	14.436	22.860	22.913	0.417	8.550	1.820	97.900
89	4.450	14.600	20.390	20.422	0.505	5.090	2.473	92.800
90	4.500	14.764	28.170	28.225	0.637	8.860	2.257	98.500
91	4.550	14.928	34.080	34.136	0.882	8.930	2.584	105.400
92	4.600	15.092	43.270	43.317	1.210	7.470	2.793	89.700
93	4.650	15.256	33.510	33.537	1.316	4.270	3.924	102.900
94	4.700	15.420	28.950	28.974	0.965	3.780	3.331	90.800
95	4.750	15.584	31.450	31.475	0.960	3.940	3.050	83.700
96	4.800	15.748	42.160	42.170	1.208	1.620	2.865	86.000
97	4.850	15.912	33.090	33.100	1.439	1.530	4.347	86.300
98	4.900	16.076	25.320	25.330	1.380	1.650	5.448	62.200
99	4.950	16.240	25.970	25.977	0.966	1.060	3.719	68.800
100	5.000	16.404	46.150	46.153	0.793	0.450	1.718	63.100
101	5.050	16.568	58.160	58.162	1.012	0.370	1.740	43.300
102	5.100	16.732	42.740	42.742	1.451	0.360	3.395	41.100
103	5.150	16.896	34.210	34.222	1.312	1.860	3.834	44.800
104	5.200	17.060	17.750	17.743	1.141	-1.050	6.431	35.300
105	5.250	17.224	11.180	11.178	0.748	-0.350	6.692	36.400
106	5.300	17.388	31.190	31.190	0.301	-0.030	0.965	49.400
107	5.350	17.552	17.090	17.093	0.331	0.520	1.936	44.900
108	5.400	17.716	18.940	18.942	0.305	0.290	1.610	41.700
109	5.450	17.880	40.280	40.278	0.633	-0.360	1.572	42.000
110	5.500	18.044	61.000	60.995	0.593	-0.780	0.972	44.300
111	5.550	18.208	34.670	34.668	0.604	-0.370	1.742	43.500
112	5.600	18.372	33.170	33.169	0.412	-0.140	1.242	40.100
113	5.650	18.537	35.550	35.549	0.197	-0.200	0.554	44.300
114	5.700	18.701	37.120	37.118	0.171	-0.260	0.461	43.600
115	5.750	18.865	41.350	41.349	0.144	-0.090	0.348	39.500
116	5.800	19.029	43.910	43.913	0.124	0.440	0.282	40.700
117	5.850	19.193	47.030	47.033	0.109	0.450	0.232	44.500
118	5.900	19.357	45.920	45.924	0.099	0.620	0.216	49.800
119	5.950	19.521	44.450	44.448	0.095	-0.300	0.214	51.900
120	6.000	19.685	41.010	41.013	0.099	0.490	0.241	53.000
121	6.050	19.849	40.800	40.802	0.211	0.270	0.517	73.000
122	6.100	20.013	49.700	49.699	0.549	-0.170	1.105	84.000
123	6.150	20.177	58.360	58.360	0.759	0.040	1.301	119.500
124	6.200	20.341	157.580	157.574	1.153	-1.010	0.732	107.400
125	6.250	20.505	196.770	196.769	1.235	-0.160	0.628	91.700
126	6.300	20.669	171.590	171.584	1.800	-1.020	1.049	80.500
127	6.350	20.833	100.840	100.839	1.833	-0.140	1.818	89.800
128	6.400	20.997	73.430	73.435	1.404	0.750	1.912	106.900
129	6.450	21.161	74.990	74.997	1.218	1.100	1.624	105.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	108.100	108.108	1.135	1.320	1.050	101.800
131	6.550	21.489	106.230	106.230	0.895	-0.010	0.843	94.400
132	6.600	21.653	71.430	71.430	0.507	-0.010	0.710	102.100
133	6.650	21.817	57.350	57.356	0.558	0.910	0.973	141.600
134	6.700	21.981	55.870	55.875	0.969	0.810	1.734	148.400
135	6.750	22.145	37.790	37.793	0.688	0.500	1.820	164.600
136	6.800	22.309	45.440	45.442	0.666	0.350	1.466	147.400
137	6.850	22.473	45.190	45.204	0.577	2.310	1.276	124.400
138	6.900	22.638	46.660	46.668	0.731	1.340	1.566	112.000
139	6.950	22.802	24.600	24.621	1.442	3.320	5.857	117.500
140	7.000	22.966	73.190	73.201	1.600	1.760	2.186	135.400
141	7.050	23.130	14.340	14.379	1.230	6.220	8.554	180.000
142	7.100	23.294	6.370	6.362	0.864	-1.210	13.580	277.900
143	7.150	23.458	6.180	6.145	0.138	-5.610	2.246	376.600
144	7.200	23.622	5.900	5.913	0.135	2.040	2.283	437.500
145	7.250	23.786	13.420	13.430	0.141	1.550	1.050	509.800
146	7.300	23.950	20.020	20.023	0.181	0.410	0.904	607.700
147	7.350	24.114	17.580	17.591	0.217	1.690	1.234	772.900
148	7.400	24.278	25.300	25.319	0.362	3.020	1.430	1108.000
149	7.450	24.442	37.870	37.912	0.665	6.760	1.754	1390.900
150	7.500	24.606	23.090	23.147	0.753	9.210	3.253	1560.500
151	7.550	24.770	13.640	13.682	0.980	6.800	7.162	1651.600
152	7.600	24.934	26.320	26.368	0.735	7.640	2.788	1936.800
153	7.650	25.098	31.050	31.062	0.682	1.950	2.196	2112.300
154	7.700	25.262	32.180	32.203	0.848	3.710	2.633	1817.400
155	7.750	25.426	30.920	30.950	0.827	4.750	2.672	1140.800
156	7.800	25.590	40.100	40.111	1.145	1.750	2.855	556.100
157	7.850	25.754	44.600	44.586	1.492	-2.260	3.346	314.500
158	7.900	25.918	40.920	40.895	1.486	-4.070	3.634	191.100
159	7.950	26.082	34.220	34.188	1.507	-5.100	4.408	132.600
160	8.000	26.246	45.720	45.702	1.489	-2.940	3.258	101.600
161	8.050	26.410	41.770	41.803	1.309	5.300	3.131	94.200
162	8.100	26.574	35.830	35.871	1.327	6.540	3.699	65.800
163	8.150	26.739	41.860	41.873	0.944	2.090	2.254	54.200
164	8.200	26.903	71.270	71.281	1.583	1.740	2.221	51.700
165	8.250	27.067	35.180	35.184	1.596	0.570	4.536	34.500
166	8.300	27.231	37.110	37.118	1.377	1.300	3.710	28.700
167	8.350	27.395	21.320	21.330	0.907	1.630	4.252	23.100
168	8.400	27.559	16.920	16.928	0.535	1.320	3.160	18.100
169	8.450	27.723	23.240	23.245	0.342	0.750	1.471	22.300
170	8.500	27.887	27.550	27.556	0.303	0.940	1.100	21.100
171	8.550	28.051	20.190	20.195	0.371	0.810	1.837	16.600
172	8.600	28.215	12.320	12.321	0.374	0.210	3.035	14.700
173	8.650	28.379	14.930	14.935	0.447	0.860	2.993	13.000
174	8.700	28.543	19.770	19.780	0.585	1.580	2.958	15.100
175	8.750	28.707	34.400	34.406	0.724	0.980	2.104	17.400
176	8.800	28.871	37.330	37.343	0.892	2.160	2.389	15.600
177	8.850	29.035	58.080	58.086	1.063	0.960	1.830	19.900
178	8.900	29.199	73.910	73.910	1.442	0.030	1.951	18.300
179	8.950	29.363	68.860	68.870	2.110	1.590	3.064	17.200
180	9.000	29.527	40.630	40.633	2.059	0.430	5.067	18.500
181	9.050	29.691	33.370	33.405	1.819	5.580	5.445	18.500
182	9.100	29.855	33.220	33.235	1.384	2.450	4.164	20.900
183	9.150	30.019	23.260	23.339	1.143	12.720	4.897	21.700
184	9.200	30.183	18.610	18.763	1.328	24.510	7.078	20.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	45.520	45.575	1.509	8.880	3.311	21.700
186	9.300	30.511	33.840	33.851	1.223	1.750	3.613	28.900
187	9.350	30.675	52.840	52.837	0.839	-0.520	1.588	35.000
188	9.400	30.840	89.780	89.805	0.681	4.010	0.758	36.300
189	9.450	31.004	154.770	154.794	1.232	3.800	0.796	41.000
190	9.500	31.168	194.980	194.998	2.122	2.810	1.088	41.300
191	9.550	31.332	205.440	205.458	2.573	2.830	1.252	43.500
192	9.600	31.496	189.990	190.008	2.571	2.950	1.353	42.100
193	9.650	31.660	120.840	120.859	3.206	3.120	2.653	31.200
194	9.700	31.824	84.590	84.614	2.600	3.840	3.073	25.800
195	9.750	31.988	57.120	57.162	1.856	6.710	3.247	20.800
196	9.800	32.152	48.060	48.178	2.049	18.930	4.253	19.700
197	9.850	32.316	55.790	55.897	1.866	17.140	3.338	25.500
198	9.900	32.480	84.550	84.656	2.451	16.930	2.895	18.500
199	9.950	32.644	129.440	129.532	2.550	14.760	1.969	26.200
200	10.000	32.808	93.000	93.073	2.709	11.730	2.911	28.100
201	10.050	32.972	78.460	78.523	2.185	10.050	2.783	36.600
202	10.100	33.136	61.360	61.417	2.252	9.090	3.667	42.500
203	10.150	33.300	49.140	49.197	2.363	9.060	4.803	44.200
204	10.200	33.464	42.210	42.261	2.341	8.100	5.539	45.000
205	10.250	33.628	42.680	42.719	1.971	6.290	4.614	43.800
206	10.300	33.792	25.720	25.761	1.210	6.490	4.697	42.200
207	10.350	33.956	24.970	25.050	0.865	12.750	3.453	40.800
208	10.400	34.120	46.180	46.255	1.210	12.020	2.616	41.600
209	10.450	34.284	87.450	87.522	1.664	11.570	1.901	52.900
210	10.500	34.448	60.350	60.417	1.402	10.780	2.321	63.400
211	10.550	34.612	26.040	26.107	1.076	10.680	4.122	68.600
212	10.600	34.776	24.120	24.188	0.502	10.890	2.075	77.100
213	10.650	34.941	23.990	24.058	0.501	10.960	2.082	78.700
214	10.700	35.105	22.980	23.048	0.427	10.930	1.853	66.800
215	10.750	35.269	34.280	34.349	0.365	11.020	1.063	64.200
216	10.800	35.433	60.260	60.309	0.253	7.890	0.420	62.800
217	10.850	35.597	75.570	75.607	0.508	5.900	0.672	44.800
218	10.900	35.761	40.770	40.803	0.612	5.240	1.500	36.200
219	10.950	35.925	40.720	40.744	1.003	3.830	2.462	35.100
220	11.000	36.089	48.470	48.495	1.288	4.080	2.656	37.200
221	11.050	36.253	64.090	64.128	1.402	6.070	2.186	45.800
222	11.100	36.417	70.110	70.139	1.375	4.710	1.960	45.800
223	11.150	36.581	75.360	75.383	1.435	3.670	1.904	35.100
224	11.200	36.745	60.550	60.568	1.371	2.960	2.264	34.800
225	11.250	36.909	47.520	47.536	1.332	2.600	2.802	36.800
226	11.300	37.073	46.140	46.161	1.248	3.290	2.704	38.800
227	11.350	37.237	59.730	59.751	1.597	3.380	2.673	55.600
228	11.400	37.401	52.970	52.994	1.515	3.870	2.859	60.600
229	11.450	37.565	42.270	42.317	1.507	7.480	3.561	57.900
230	11.500	37.729	43.400	43.435	1.466	5.550	3.375	54.000
231	11.550	37.893	47.670	47.710	1.351	6.420	2.832	53.700
232	11.600	38.057	45.700	45.742	1.501	6.710	3.281	37.700
233	11.650	38.221	51.860	51.906	1.926	7.400	3.711	34.800
234	11.700	38.385	63.260	63.304	2.244	7.050	3.545	0.000
235	11.750	38.549	72.880	72.924	2.273	7.000	3.117	0.000
236	11.800	38.713	66.190	66.233	1.982	6.860	2.992	0.000
237	11.850	38.877	30.270	30.305	1.414	5.610	4.666	0.000
238	11.900	39.042	35.940	35.970	0.996	4.840	2.769	0.000
239	11.950	39.206	40.870	40.899	1.206	4.670	2.949	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	62.770	62.799	1.297	4.600	2.065	0.000
241	12.050	39.534	46.220	46.255	1.284	5.660	2.776	0.000
242	12.100	39.698	30.920	30.952	1.104	5.120	3.567	0.000
243	12.150	39.862	22.940	22.975	0.701	5.640	3.051	0.000
244	12.200	40.026	42.710	42.746	0.771	5.780	1.804	0.000
245	12.250	40.190	28.730	28.758	0.964	4.430	3.352	0.000
246	12.300	40.354	47.520	47.544	1.066	3.890	2.242	0.000
247	12.350	40.518	35.650	35.680	0.753	4.760	2.110	0.000
248	12.400	40.682	24.530	24.555	1.230	4.030	5.009	0.000
249	12.450	40.846	21.000	21.023	0.000	3.670	0.000	0.000
250	12.500	41.010	333.540	333.563	0.000	3.760	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221541
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-5-2
Cone ID:	268:T1500F15U500
Operator:	BM/JT/YB
CPT Date:	Nov-18-2013
CPT Time:	14:26
CPT File:	13-53075_GP5-2.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722071.913
Northing / Lat:	4294295.348
Elevation:	144.164
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	84.770	84.772	0.233	0.400	0.275	24.300
2	0.100	0.328	110.620	110.622	0.289	0.250	0.261	12.200
3	0.150	0.492	92.940	92.937	0.628	-0.480	0.676	7.300
4	0.200	0.656	73.270	73.273	0.511	0.440	0.697	7.400
5	0.250	0.820	58.330	58.331	0.696	0.240	1.193	6.500
6	0.300	0.984	35.000	35.010	0.592	1.530	1.691	13.500
7	0.350	1.148	13.670	13.668	0.558	-0.330	4.083	9.300
8	0.400	1.312	9.400	9.404	0.431	0.640	4.583	12.400
9	0.450	1.476	9.210	9.205	0.344	-0.730	3.737	10.600
10	0.500	1.640	10.340	10.314	0.343	-4.100	3.325	40.300
11	0.550	1.804	20.640	20.639	0.409	-0.160	1.982	101.600
12	0.600	1.968	46.080	46.080	0.387	0.040	0.840	87.700
13	0.650	2.133	67.090	67.090	0.436	-0.030	0.650	97.700
14	0.700	2.297	61.190	61.189	0.385	-0.200	0.629	96.900
15	0.750	2.461	39.950	39.948	0.386	-0.380	0.966	81.400
16	0.800	2.625	30.410	30.407	0.317	-0.420	1.043	85.100
17	0.850	2.789	19.540	19.537	0.247	-0.460	1.264	67.800
18	0.900	2.953	15.420	15.418	0.185	-0.390	1.200	68.800
19	0.950	3.117	11.130	11.126	0.154	-0.570	1.384	56.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	11.860	11.859	0.216	-0.200	1.821	40.700
21	1.050	3.445	15.350	15.350	0.279	0.070	1.818	34.700
22	1.100	3.609	5.090	5.093	0.244	0.450	4.791	23.200
23	1.150	3.773	18.310	18.308	0.390	-0.300	2.130	15.100
24	1.200	3.937	29.550	29.549	0.356	-0.200	1.205	6.700
25	1.250	4.101	16.190	16.192	0.496	0.350	3.063	14.400
26	1.300	4.265	11.650	11.650	0.333	-0.060	2.858	11.900
27	1.350	4.429	4.450	4.453	0.216	0.430	4.851	13.400
28	1.400	4.593	13.400	13.401	0.149	0.180	1.112	13.700
29	1.450	4.757	51.240	51.243	0.209	0.460	0.408	13.700
30	1.500	4.921	35.110	35.158	0.502	7.690	1.428	11.200
31	1.550	5.085	22.210	22.218	0.571	1.340	2.570	10.600
32	1.600	5.249	13.500	13.533	0.528	5.280	3.902	11.400
33	1.650	5.413	19.830	19.792	0.507	-6.010	2.562	9.400
34	1.700	5.577	11.590	11.593	0.367	0.520	3.166	5.500
35	1.750	5.741	12.490	12.500	0.301	1.550	2.408	15.000
36	1.800	5.905	19.700	19.700	0.378	-0.010	1.919	17.500
37	1.850	6.069	29.850	29.853	0.605	0.480	2.027	18.700
38	1.900	6.234	48.750	48.751	0.591	0.140	1.212	22.300
39	1.950	6.398	24.350	24.352	0.483	0.260	1.983	28.900
40	2.000	6.562	26.630	26.629	0.466	-0.150	1.750	33.700
41	2.050	6.726	15.300	15.298	0.229	-0.390	1.497	35.000
42	2.100	6.890	9.820	9.821	0.214	0.180	2.179	33.500
43	2.150	7.054	6.260	6.261	0.203	0.210	3.242	33.400
44	2.200	7.218	5.820	5.821	0.225	0.190	3.865	25.000
45	2.250	7.382	18.650	18.651	0.418	0.150	2.241	18.800
46	2.300	7.546	14.980	14.983	0.381	0.410	2.543	17.500
47	2.350	7.710	10.120	10.110	0.311	-1.600	3.076	12.300
48	2.400	7.874	18.930	18.928	0.362	-0.360	1.913	15.100
49	2.450	8.038	28.640	28.635	0.386	-0.770	1.348	14.200
50	2.500	8.202	11.760	11.778	0.335	2.810	2.844	14.900
51	2.550	8.366	13.200	13.200	0.331	0.010	2.508	12.600
52	2.600	8.530	51.720	51.723	0.384	0.410	0.742	17.800
53	2.650	8.694	118.000	118.007	0.753	1.190	0.638	18.000
54	2.700	8.858	190.630	190.637	1.097	1.050	0.575	17.800
55	2.750	9.022	280.560	280.576	0.737	2.540	0.263	30.600
56	2.800	9.186	160.400	160.400	1.023	0.080	0.638	30.700
57	2.850	9.350	65.650	65.659	0.711	1.390	1.083	42.600
58	2.900	9.514	71.310	71.315	1.124	0.880	1.576	46.000
59	2.950	9.678	53.500	53.500	1.103	0.040	2.062	69.900
60	3.000	9.842	14.060	14.092	1.037	5.060	7.359	84.100
61	3.050	10.006	20.980	21.023	0.425	6.900	2.022	89.600
62	3.100	10.170	30.300	30.308	0.391	1.310	1.290	76.800
63	3.150	10.335	38.180	38.206	0.512	4.140	1.340	85.800
64	3.200	10.499	37.460	37.459	0.571	-0.200	1.524	87.300
65	3.250	10.663	36.930	36.931	0.548	0.120	1.484	86.800
66	3.300	10.827	40.650	40.620	0.470	-4.800	1.157	84.600
67	3.350	10.991	36.200	36.149	0.316	-8.200	0.874	75.800
68	3.400	11.155	25.680	25.626	0.325	-8.620	1.268	74.800
69	3.450	11.319	9.900	9.867	0.242	-5.240	2.453	82.600
70	3.500	11.483	4.640	4.608	0.106	-5.190	2.301	61.200
71	3.550	11.647	2.020	2.019	0.031	-0.130	1.535	60.000
72	3.600	11.811	1.270	1.268	0.020	-0.300	1.577	46.600
73	3.650	11.975	1.540	1.539	0.043	-0.120	2.794	52.900
74	3.700	12.139	3.880	3.881	0.081	0.120	2.087	37.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	9.970	9.974	0.084	0.610	0.842	43.900
76	3.800	12.467	18.270	18.266	0.163	-0.700	0.892	31.000
77	3.850	12.631	13.940	13.945	0.232	0.770	1.664	33.200
78	3.900	12.795	7.940	7.940	0.290	0.070	3.652	26.900
79	3.950	12.959	9.740	9.748	0.256	1.250	2.626	20.200
80	4.000	13.123	7.440	7.425	0.272	-2.440	3.663	18.700
81	4.050	13.287	6.290	6.286	0.234	-0.640	3.723	24.600
82	4.100	13.451	5.390	5.390	0.236	0.050	4.378	24.000
83	4.150	13.615	10.730	10.728	0.256	-0.400	2.386	24.100
84	4.200	13.779	21.600	21.606	0.375	0.920	1.736	26.700
85	4.250	13.943	15.310	15.318	0.331	1.330	2.161	41.600
86	4.300	14.107	27.650	27.656	0.391	0.920	1.414	38.000
87	4.350	14.271	19.120	19.124	0.333	0.660	1.741	58.800
88	4.400	14.436	14.590	14.595	0.267	0.880	1.829	62.900
89	4.450	14.600	19.770	19.777	0.163	1.050	0.824	78.700
90	4.500	14.764	27.720	27.730	0.191	1.650	0.689	79.400
91	4.550	14.928	27.290	27.301	0.268	1.710	0.982	84.600
92	4.600	15.092	23.000	23.008	0.316	1.330	1.373	80.800
93	4.650	15.256	20.590	20.600	0.765	1.620	3.714	90.000
94	4.700	15.420	21.750	21.753	0.724	0.420	3.328	91.400
95	4.750	15.584	50.220	50.199	0.588	-3.340	1.171	82.800
96	4.800	15.748	48.330	48.311	0.559	-3.000	1.157	78.000
97	4.850	15.912	30.450	30.451	0.812	0.090	2.667	79.600
98	4.900	16.076	26.410	26.407	1.151	-0.470	4.359	81.500
99	4.950	16.240	20.150	20.152	0.799	0.270	3.965	80.300
100	5.000	16.404	16.420	16.424	0.612	0.570	3.726	80.100
101	5.050	16.568	25.190	25.176	0.642	-2.220	2.550	55.900
102	5.100	16.732	33.650	33.649	0.670	-0.230	1.991	60.000
103	5.150	16.896	26.850	26.880	0.528	4.830	1.964	54.600
104	5.200	17.060	37.140	37.152	0.780	1.980	2.099	60.500
105	5.250	17.224	30.430	30.421	0.896	-1.470	2.945	49.900
106	5.300	17.388	20.370	20.364	0.835	-0.910	4.100	49.700
107	5.350	17.552	17.640	17.635	0.488	-0.780	2.767	48.400
108	5.400	17.716	14.220	14.215	0.431	-0.800	3.032	46.600
109	5.450	17.880	9.500	9.498	0.397	-0.350	4.180	36.300
110	5.500	18.044	12.400	12.407	0.246	1.060	1.983	49.800
111	5.550	18.208	23.140	23.143	0.159	0.430	0.687	37.900
112	5.600	18.372	8.580	8.577	0.614	-0.420	7.158	43.300
113	5.650	18.537	48.140	48.139	0.969	-0.200	2.013	44.900
114	5.700	18.701	25.160	25.178	1.068	2.900	4.242	59.500
115	5.750	18.865	16.230	16.227	0.910	-0.410	5.608	63.600
116	5.800	19.029	17.470	17.459	0.523	-1.690	2.996	76.900
117	5.850	19.193	21.400	21.392	0.473	-1.290	2.211	83.000
118	5.900	19.357	25.130	25.123	0.532	-1.050	2.118	83.400
119	5.950	19.521	24.060	24.048	0.527	-1.920	2.191	71.000
120	6.000	19.685	20.630	20.591	0.535	-6.240	2.598	85.300
121	6.050	19.849	12.160	12.104	0.375	-8.990	3.098	92.000
122	6.100	20.013	9.320	9.264	0.228	-9.000	2.461	94.700
123	6.150	20.177	14.080	14.064	0.241	-2.570	1.714	81.900
124	6.200	20.341	7.500	7.491	0.224	-1.440	2.990	52.600
125	6.250	20.505	7.820	7.815	0.263	-0.760	3.365	40.200
126	6.300	20.669	26.940	26.939	0.389	-0.240	1.444	34.800
127	6.350	20.833	21.390	21.393	0.550	0.460	2.571	34.500
128	6.400	20.997	16.030	16.029	0.423	-0.220	2.639	37.000
129	6.450	21.161	17.110	17.112	0.295	0.370	1.724	45.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	47.390	47.394	0.512	0.690	1.080	67.900
131	6.550	21.489	79.560	79.562	0.412	0.300	0.518	75.200
132	6.600	21.653	9.040	9.011	0.924	-4.720	10.255	80.700
133	6.650	21.817	24.040	24.007	0.644	-5.310	2.683	89.100
134	6.700	21.981	5.340	5.318	0.536	-3.550	10.079	79.700
135	6.750	22.145	4.190	4.199	0.527	1.470	12.550	97.500
136	6.800	22.309	13.190	13.198	0.450	1.240	3.410	99.000
137	6.850	22.473	36.800	36.816	0.836	2.490	2.271	76.000
138	6.900	22.638	46.620	46.613	0.832	-1.190	1.785	62.000
139	6.950	22.802	40.590	40.586	0.923	-0.690	2.274	79.300
140	7.000	22.966	34.820	34.820	0.742	0.010	2.131	69.100
141	7.050	23.130	36.230	36.231	0.527	0.240	1.455	86.000
142	7.100	23.294	75.790	75.789	1.024	-0.180	1.351	92.900
143	7.150	23.458	87.370	87.365	1.358	-0.790	1.554	84.200
144	7.200	23.622	34.750	34.760	1.457	1.570	4.192	67.800
145	7.250	23.786	26.090	26.098	1.050	1.210	4.023	59.700
146	7.300	23.950	16.160	16.163	0.519	0.470	3.211	71.800
147	7.350	24.114	14.110	14.126	0.502	2.600	3.554	78.900
148	7.400	24.278	19.650	19.594	0.616	-9.030	3.144	94.400
149	7.450	24.442	24.980	24.929	0.692	-8.140	2.776	96.300
150	7.500	24.606	19.190	19.166	0.993	-3.820	5.181	127.400
151	7.550	24.770	19.910	19.878	1.011	-5.190	5.086	142.700
152	7.600	24.934	66.840	66.782	1.156	-9.310	1.731	167.000
153	7.650	25.098	47.670	47.666	1.725	-0.710	3.619	204.100
154	7.700	25.262	31.880	31.875	1.764	-0.790	5.534	299.900
155	7.750	25.426	29.840	29.833	1.181	-1.060	3.959	415.900
156	7.800	25.590	55.320	55.327	1.255	1.090	2.268	556.300
157	7.850	25.754	24.880	24.888	1.176	1.290	4.725	824.800
158	7.900	25.918	12.140	12.152	1.054	1.950	8.673	1187.100
159	7.950	26.082	17.700	17.717	0.538	2.760	3.037	1820.300
160	8.000	26.246	5.870	5.896	0.423	4.190	7.174	1911.400
161	8.050	26.410	10.410	10.435	0.476	4.000	4.562	1551.500
162	8.100	26.574	16.380	16.389	0.682	1.370	4.161	991.900
163	8.150	26.739	28.310	28.306	0.777	-0.690	2.745	564.400
164	8.200	26.903	85.830	85.801	0.953	-4.720	1.111	306.000
165	8.250	27.067	96.600	96.600	1.364	-0.010	1.412	199.700
166	8.300	27.231	96.570	96.572	1.717	0.250	1.778	129.800
167	8.350	27.395	93.240	93.241	2.037	0.230	2.185	88.600
168	8.400	27.559	100.720	100.731	2.101	1.810	2.086	77.200
169	8.450	27.723	109.680	109.691	1.743	1.780	1.589	61.400
170	8.500	27.887	135.520	135.523	2.605	0.430	1.922	51.900
171	8.550	28.051	122.110	122.110	2.167	0.010	1.775	42.100
172	8.600	28.215	80.280	80.278	1.312	-0.390	1.634	37.700
173	8.650	28.379	55.090	55.090	0.398	-0.030	0.722	28.800
174	8.700	28.543	23.960	23.961	0.489	0.090	2.041	19.800
175	8.750	28.707	32.470	32.472	0.472	0.380	1.454	20.400
176	8.800	28.871	50.250	50.261	0.683	1.840	1.359	16.000
177	8.850	29.035	48.220	48.205	1.222	-2.440	2.535	15.700
178	8.900	29.199	33.170	33.176	1.434	0.990	4.322	17.900
179	8.950	29.363	24.390	24.413	1.295	3.620	5.305	17.900
180	9.000	29.527	33.340	33.330	1.396	-1.630	4.188	18.300
181	9.050	29.691	41.280	41.267	1.326	-2.050	3.213	13.700
182	9.100	29.855	27.420	27.425	1.142	0.750	4.164	14.900
183	9.150	30.019	20.440	20.427	0.892	-2.050	4.367	15.100
184	9.200	30.183	17.980	17.993	0.576	2.030	3.201	11.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	24.550	24.559	0.552	1.430	2.248	15.100
186	9.300	30.511	24.370	24.381	0.574	1.820	2.354	10.400
187	9.350	30.675	19.520	19.534	0.570	2.310	2.918	11.900
188	9.400	30.840	39.800	39.810	0.640	1.570	1.608	11.100
189	9.450	31.004	34.990	35.006	0.953	2.510	2.722	13.100
190	9.500	31.168	37.340	37.357	1.115	2.700	2.985	9.600
191	9.550	31.332	81.720	81.724	2.084	0.710	2.550	13.700
192	9.600	31.496	66.770	66.781	1.948	1.810	2.917	14.900
193	9.650	31.660	46.530	46.544	2.235	2.210	4.802	20.600
194	9.700	31.824	42.140	42.167	1.560	4.310	3.700	21.100
195	9.750	31.988	41.420	41.459	1.502	6.220	3.623	31.000
196	9.800	32.152	55.220	55.228	1.432	1.350	2.593	36.300
197	9.850	32.316	70.050	70.068	2.345	2.910	3.347	41.000
198	9.900	32.480	56.510	56.529	1.784	2.970	3.156	33.300
199	9.950	32.644	76.790	76.803	2.332	2.020	3.036	31.700
200	10.000	32.808	60.630	60.640	2.197	1.540	3.623	25.800
201	10.050	32.972	68.030	68.054	2.147	3.840	3.155	20.200
202	10.100	33.136	71.500	71.520	2.048	3.170	2.864	13.800
203	10.150	33.300	89.180	89.209	3.689	4.720	4.135	13.000
204	10.200	33.464	144.210	144.228	4.170	2.890	2.891	9.700
205	10.250	33.628	69.140	69.158	3.545	2.910	5.126	10.500
206	10.300	33.792	26.250	26.276	3.201	4.210	12.182	9.700
207	10.350	33.956	15.170	15.186	2.206	2.520	14.527	13.500
208	10.400	34.120	30.510	30.534	1.139	3.900	3.730	14.300
209	10.450	34.284	110.700	110.737	1.532	5.940	1.383	20.900
210	10.500	34.448	130.070	130.096	2.154	4.240	1.656	22.600
211	10.550	34.612	57.880	57.914	1.867	5.380	3.224	24.700
212	10.600	34.776	56.000	56.020	1.607	3.230	2.869	35.800
213	10.650	34.941	122.680	122.632	1.281	-7.710	1.045	36.900
214	10.700	35.105	114.470	114.442	1.613	-4.520	1.409	32.800
215	10.750	35.269	95.290	95.259	1.666	-4.890	1.749	28.400
216	10.800	35.433	100.020	100.041	2.154	3.340	2.153	21.200
217	10.850	35.597	96.760	96.784	2.122	3.920	2.193	21.400
218	10.900	35.761	82.730	82.756	2.489	4.120	3.008	23.300
219	10.950	35.925	73.650	73.679	2.056	4.600	2.790	24.800
220	11.000	36.089	68.630	68.670	2.090	6.390	3.044	29.100
221	11.050	36.253	74.170	74.209	2.139	6.210	2.882	37.500
222	11.100	36.417	47.990	48.020	1.953	4.770	4.067	35.300
223	11.150	36.581	31.320	31.350	1.632	4.880	5.206	31.300
224	11.200	36.745	57.290	57.320	1.356	4.820	2.366	31.800
225	11.250	36.909	39.220	39.227	1.496	1.080	3.814	30.800
226	11.300	37.073	41.330	41.343	1.943	2.020	4.700	19.400
227	11.350	37.237	120.450	120.462	2.157	1.890	1.791	31.900
228	11.400	37.401	197.120	197.126	2.982	1.000	1.513	42.500
229	11.450	37.565	181.790	181.801	3.131	1.800	1.722	39.500
230	11.500	37.729	49.710	49.724	3.254	2.240	6.544	61.000
231	11.550	37.893	50.510	50.485	2.962	-3.970	5.867	58.100
232	11.600	38.057	59.750	59.717	1.787	-5.340	2.992	62.300
233	11.650	38.221	72.340	72.306	1.063	-5.520	1.470	64.300
234	11.700	38.385	98.040	98.004	0.889	-5.840	0.907	59.700
235	11.750	38.549	114.830	114.785	1.697	-7.180	1.478	54.600
236	11.800	38.713	80.070	80.014	2.260	-8.990	2.825	56.200
237	11.850	38.877	42.250	42.184	2.217	-10.610	5.256	44.800
238	11.900	39.042	29.490	29.422	1.423	-10.840	4.836	40.600
239	11.950	39.206	40.050	40.025	1.172	-3.950	2.928	35.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	27.220	27.213	1.086	-1.120	3.991	29.700
241	12.050	39.534	19.300	19.289	0.732	-1.730	3.795	25.700
242	12.100	39.698	24.290	24.282	1.127	-1.280	4.641	24.300
243	12.150	39.862	73.080	73.071	2.431	-1.450	3.327	28.000
244	12.200	40.026	106.830	106.833	3.233	0.420	3.026	22.400
245	12.250	40.190	81.500	81.502	3.611	0.390	4.431	21.100
246	12.300	40.354	48.160	48.164	1.695	0.610	3.519	26.900
247	12.350	40.518	108.080	108.086	0.764	1.020	0.707	23.600
248	12.400	40.682	95.050	95.052	0.424	0.280	0.446	13.300
249	12.450	40.846	106.750	106.756	0.580	0.960	0.543	14.200
250	12.500	41.010	116.970	116.971	2.034	0.170	1.739	16.900
251	12.550	41.174	75.090	75.090	2.084	-0.020	2.775	11.400
252	12.600	41.338	39.020	39.010	1.550	-1.550	3.973	14.800
253	12.650	41.502	31.180	31.181	0.485	0.160	1.555	16.300
254	12.700	41.666	19.260	19.269	0.342	1.450	1.775	9.800
255	12.750	41.830	33.340	33.339	0.843	-0.130	2.529	16.300
256	12.800	41.994	57.340	57.350	1.138	1.650	1.984	15.500
257	12.850	42.158	53.490	53.496	1.601	1.000	2.993	19.200
258	12.900	42.322	51.140	51.147	1.729	1.080	3.380	16.800
259	12.950	42.486	38.820	38.831	1.549	1.690	3.989	21.300
260	13.000	42.650	35.660	35.676	1.118	2.610	3.134	24.300
261	13.050	42.814	44.020	44.037	0.867	2.700	1.969	27.900
262	13.100	42.978	56.980	56.996	0.595	2.520	1.044	35.200
263	13.150	43.143	53.340	53.355	0.668	2.340	1.252	35.600
264	13.200	43.307	70.060	70.075	0.753	2.330	1.075	40.700
265	13.250	43.471	55.160	55.177	0.734	2.780	1.330	41.100
266	13.300	43.635	43.210	43.227	0.747	2.660	1.728	41.900
267	13.350	43.799	31.070	31.086	0.699	2.600	2.249	37.400
268	13.400	43.963	42.310	42.330	0.553	3.240	1.306	31.900
269	13.450	44.127	69.480	69.495	1.138	2.390	1.638	34.800
270	13.500	44.291	43.270	43.285	1.231	2.460	2.844	28.300
271	13.550	44.455	14.290	14.306	1.223	2.520	8.549	29.000
272	13.600	44.619	33.790	33.805	1.503	2.470	4.446	32.900
273	13.650	44.783	35.470	35.484	1.873	2.210	5.278	31.500
274	13.700	44.947	118.570	118.585	1.756	2.380	1.481	32.400
275	13.750	45.111	143.160	143.177	1.972	2.710	1.377	32.800
276	13.800	45.275	81.190	81.207	2.499	2.750	3.077	35.100
277	13.850	45.439	41.250	41.270	2.691	3.130	6.521	32.400
278	13.900	45.603	82.070	82.095	1.388	3.990	1.691	45.700
279	13.950	45.767	90.740	90.764	1.335	3.850	1.471	45.200
280	14.000	45.931	94.890	94.916	1.189	4.170	1.253	49.800
281	14.050	46.095	79.800	79.825	0.998	4.030	1.250	55.100
282	14.100	46.259	61.730	61.754	0.829	3.810	1.342	49.100
283	14.150	46.423	50.190	50.213	0.520	3.690	1.036	51.100
284	14.200	46.587	33.360	33.379	0.476	3.120	1.426	44.600
285	14.250	46.751	35.490	35.506	0.548	2.630	1.543	38.800
286	14.300	46.915	21.670	21.685	0.421	2.330	1.941	35.200
287	14.350	47.079	31.220	31.233	0.401	2.020	1.284	32.500
288	14.400	47.244	33.450	33.462	0.542	1.940	1.620	29.700
289	14.450	47.408	37.080	37.102	1.400	3.480	3.773	41.700
290	14.500	47.572	100.230	100.256	1.690	4.110	1.686	46.500
291	14.550	47.736	111.560	111.591	1.843	4.910	1.652	50.800
292	14.600	47.900	127.720	127.749	1.606	4.660	1.257	56.200
293	14.650	48.064	140.010	140.037	1.458	4.310	1.041	55.000
294	14.700	48.228	140.350	140.377	1.615	4.340	1.150	55.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	146.300	146.327	1.600	4.340	1.093	61.900
296	14.800	48.556	153.690	153.718	1.568	4.470	1.020	59.000
297	14.850	48.720	168.560	168.589	1.547	4.630	0.918	0.000
298	14.900	48.884	202.970	202.999	1.604	4.650	0.790	0.000
299	14.950	49.048	228.840	228.870	1.705	4.740	0.745	0.000
300	15.000	49.212	236.280	236.309	1.718	4.670	0.727	0.000
301	15.050	49.376	245.250	245.280	1.659	4.760	0.676	0.000
302	15.100	49.540	241.380	241.410	1.641	4.830	0.680	0.000
303	15.150	49.704	235.810	235.840	1.700	4.860	0.721	0.000
304	15.200	49.868	226.560	226.592	1.667	5.190	0.736	0.000
305	15.250	50.032	222.410	222.442	1.499	5.110	0.674	0.000
306	15.300	50.196	214.830	214.862	1.390	5.170	0.647	0.000
307	15.350	50.360	208.170	208.203	2.074	5.260	0.996	0.000
308	15.400	50.524	193.700	193.733	2.251	5.220	1.162	0.000
309	15.450	50.688	159.650	159.683	1.880	5.270	1.177	0.000
310	15.500	50.852	154.240	154.273	1.249	5.240	0.810	0.000
311	15.550	51.016	217.740	217.773	0.000	5.350	0.000	0.000
312	15.600	51.180	256.990	257.022	0.000	5.140	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221543
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-5-3
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-19-2013
CPT Time:	07:28
CPT File:	13-53075_GP5-3.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722088.114
Northing / Lat:	4294287.652
Elevation:	144.571
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	40.940	40.943	0.056	0.520	0.137	34.400
2	0.100	0.328	74.460	74.463	0.118	0.460	0.158	39.100
3	0.150	0.492	93.300	93.303	0.353	0.560	0.378	45.000
4	0.200	0.656	89.980	89.984	0.647	0.650	0.719	43.900
5	0.250	0.820	82.300	82.304	0.695	0.720	0.844	61.400
6	0.300	0.984	65.880	65.883	0.630	0.510	0.956	69.400
7	0.350	1.148	37.610	37.616	0.604	0.920	1.606	88.100
8	0.400	1.312	29.820	29.825	0.422	0.770	1.415	88.200
9	0.450	1.476	33.410	33.414	0.425	0.610	1.272	88.200
10	0.500	1.640	50.080	50.083	0.592	0.530	1.182	93.000
11	0.550	1.804	72.850	72.853	0.890	0.550	1.222	87.300
12	0.600	1.968	123.300	123.304	1.437	0.650	1.165	76.500
13	0.650	2.133	183.060	183.065	2.492	0.820	1.361	85.500
14	0.700	2.297	211.760	211.766	4.208	0.890	1.987	89.900
15	0.750	2.461	180.900	180.907	5.373	1.110	2.970	79.400
16	0.800	2.625	158.750	158.753	5.520	0.560	3.477	97.100
17	0.850	2.789	156.290	156.287	4.371	-0.550	2.797	77.000
18	0.900	2.953	166.330	166.301	4.004	-4.660	2.408	84.000
19	0.950	3.117	149.420	149.414	3.602	-0.990	2.411	89.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	119.060	119.053	3.613	-1.110	3.035	87.700
21	1.050	3.445	81.880	81.841	3.139	-6.250	3.835	72.800
22	1.100	3.609	86.930	86.879	1.891	-8.230	2.177	78.000
23	1.150	3.773	81.380	81.375	1.098	-0.870	1.349	63.800
24	1.200	3.937	69.600	69.595	0.678	-0.860	0.974	61.700
25	1.250	4.101	56.810	56.804	0.652	-0.940	1.148	69.500
26	1.300	4.265	48.520	48.517	0.611	-0.510	1.259	86.200
27	1.350	4.429	36.900	36.897	0.660	-0.500	1.789	68.100
28	1.400	4.593	27.590	27.585	0.500	-0.830	1.813	67.900
29	1.450	4.757	21.720	21.716	0.420	-0.580	1.934	98.900
30	1.500	4.921	16.200	16.196	0.327	-0.660	2.019	61.400
31	1.550	5.085	11.370	11.367	0.313	-0.460	2.754	64.800
32	1.600	5.249	16.030	16.013	0.222	-2.680	1.386	65.000
33	1.650	5.413	14.470	14.450	0.237	-3.150	1.640	49.900
34	1.700	5.577	12.450	12.423	0.288	-4.250	2.318	47.400
35	1.750	5.741	13.990	13.970	0.195	-3.280	1.396	40.300
36	1.800	5.905	16.650	16.635	0.018	-2.380	0.108	25.100
37	1.850	6.069	12.110	12.104	0.013	-0.890	0.107	25.200
38	1.900	6.234	24.170	24.167	0.023	-0.500	0.095	22.000
39	1.950	6.398	26.100	26.101	0.219	0.140	0.839	22.600
40	2.000	6.562	35.270	35.275	0.507	0.880	1.437	17.100
41	2.050	6.726	33.740	33.744	0.460	0.630	1.363	10.500
42	2.100	6.890	21.040	21.031	0.418	-1.390	1.988	13.700
43	2.150	7.054	13.390	13.381	0.299	-1.470	2.235	17.100
44	2.200	7.218	23.710	23.710	0.293	0.030	1.236	54.100
45	2.250	7.382	27.430	27.429	0.460	-0.100	1.677	16.500
46	2.300	7.546	25.650	25.656	0.606	1.010	2.362	17.300
47	2.350	7.710	14.740	14.727	0.570	-2.110	3.870	17.500
48	2.400	7.874	12.050	12.045	0.601	-0.870	4.990	17.500
49	2.450	8.038	16.910	16.903	0.710	-1.150	4.200	23.200
50	2.500	8.202	18.010	18.007	0.452	-0.470	2.510	30.800
51	2.550	8.366	12.860	12.853	0.842	-1.070	6.551	31.100
52	2.600	8.530	17.340	17.337	0.850	-0.430	4.903	42.300
53	2.650	8.694	7.970	7.962	0.378	-1.260	4.747	49.700
54	2.700	8.858	10.220	10.221	0.363	0.210	3.551	45.700
55	2.750	9.022	36.270	36.253	0.363	-2.710	1.001	41.000
56	2.800	9.186	47.420	47.395	0.647	-4.070	1.365	39.500
57	2.850	9.350	64.780	64.779	1.071	-0.240	1.653	36.300
58	2.900	9.514	57.910	57.907	1.328	-0.420	2.293	27.400
59	2.950	9.678	82.980	82.981	1.934	0.220	2.331	18.300
60	3.000	9.842	109.160	109.157	2.103	-0.550	1.927	17.100
61	3.050	10.006	34.610	34.609	1.835	-0.200	5.302	20.600
62	3.100	10.170	14.410	14.416	1.036	0.890	7.187	25.700
63	3.150	10.335	17.230	17.241	0.827	1.790	4.797	33.700
64	3.200	10.499	22.270	22.269	0.849	-0.100	3.812	34.500
65	3.250	10.663	22.450	22.457	0.745	1.170	3.317	56.600
66	3.300	10.827	58.200	58.215	0.922	2.460	1.584	58.900
67	3.350	10.991	105.640	105.641	1.119	0.200	1.059	71.900
68	3.400	11.155	103.480	103.475	0.984	-0.860	0.951	85.500
69	3.450	11.319	96.740	96.729	1.215	-1.740	1.256	96.700
70	3.500	11.483	92.000	91.993	1.376	-1.110	1.496	80.500
71	3.550	11.647	72.490	72.479	1.614	-1.750	2.227	84.100
72	3.600	11.811	48.510	48.483	1.754	-4.400	3.618	92.300
73	3.650	11.975	35.530	35.492	1.428	-6.040	4.023	83.100
74	3.700	12.139	29.190	29.152	1.034	-6.140	3.547	86.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	19.970	19.930	0.738	-6.440	3.703	88.000
76	3.800	12.467	18.540	18.499	0.701	-6.620	3.789	79.400
77	3.850	12.631	22.420	22.464	0.556	6.990	2.475	83.100
78	3.900	12.795	17.710	17.756	0.506	7.440	2.850	76.600
79	3.950	12.959	14.270	14.327	0.601	9.100	4.195	65.100
80	4.000	13.123	13.680	13.740	0.200	9.660	1.456	66.300
81	4.050	13.287	41.520	41.524	0.418	0.610	1.007	53.000
82	4.100	13.451	30.790	30.792	0.745	0.260	2.419	41.800
83	4.150	13.615	29.790	29.789	1.041	-0.150	3.495	38.200
84	4.200	13.779	26.350	26.352	1.013	0.320	3.844	34.500
85	4.250	13.943	11.210	11.215	0.668	0.790	5.956	35.400
86	4.300	14.107	7.500	7.501	0.307	0.180	4.093	47.800
87	4.350	14.271	3.830	3.827	0.544	-0.530	14.216	28.900
88	4.400	14.436	161.440	161.440	2.418	0.070	1.498	38.800
89	4.450	14.600	142.810	142.826	2.531	2.570	1.772	45.300
90	4.500	14.764	41.990	41.995	2.620	0.730	6.239	34.700
91	4.550	14.928	63.940	63.937	1.473	-0.510	2.304	29.400
92	4.600	15.092	12.610	12.612	1.087	0.340	8.619	23.200
93	4.650	15.256	21.900	21.898	1.156	-0.350	5.279	23.300
94	4.700	15.420	20.640	20.643	0.737	0.460	3.570	21.300
95	4.750	15.584	10.840	10.846	0.888	0.960	8.187	21.900
96	4.800	15.748	23.770	23.773	0.816	0.510	3.432	19.500
97	4.850	15.912	20.570	20.573	0.793	0.520	3.855	13.700
98	4.900	16.076	21.050	21.052	0.780	0.350	3.705	15.500
99	4.950	16.240	8.860	8.869	0.527	1.410	5.942	20.700
100	5.000	16.404	5.210	5.248	0.439	6.090	8.365	12.000
101	5.050	16.568	11.710	11.773	0.318	10.080	2.701	19.300
102	5.100	16.732	22.790	22.817	0.848	4.360	3.716	23.500
103	5.150	16.896	44.310	44.325	1.267	2.400	2.858	25.800
104	5.200	17.060	26.100	26.115	1.202	2.410	4.603	37.100
105	5.250	17.224	23.910	23.928	1.055	2.900	4.409	47.400
106	5.300	17.388	19.070	19.088	0.479	2.910	2.509	67.300
107	5.350	17.552	14.590	14.616	0.439	4.210	3.003	67.000
108	5.400	17.716	16.300	16.289	0.298	-1.790	1.829	88.400
109	5.450	17.880	18.060	18.063	0.416	0.500	2.303	92.600
110	5.500	18.044	22.790	22.809	0.447	3.100	1.960	95.100
111	5.550	18.208	18.050	18.062	0.455	1.960	2.519	99.300
112	5.600	18.372	12.800	12.810	0.416	1.610	3.247	93.800
113	5.650	18.537	11.510	11.521	0.352	1.770	3.055	94.200
114	5.700	18.701	14.890	14.902	0.379	1.980	2.543	95.700
115	5.750	18.865	16.130	16.140	0.487	1.550	3.017	100.200
116	5.800	19.029	15.610	15.615	0.495	0.770	3.170	105.500
117	5.850	19.193	11.700	11.704	0.446	0.690	3.811	94.400
118	5.900	19.357	12.520	12.525	0.470	0.860	3.752	93.600
119	5.950	19.521	12.410	12.416	0.537	0.970	4.325	93.300
120	6.000	19.685	39.110	39.110	1.088	0.070	2.782	93.100
121	6.050	19.849	13.690	13.664	0.904	-4.120	6.616	88.800
122	6.100	20.013	12.260	12.234	0.858	-4.120	7.013	82.900
123	6.150	20.177	15.430	15.405	0.422	-4.070	2.739	80.700
124	6.200	20.341	15.190	15.167	0.462	-3.660	3.046	90.200
125	6.250	20.505	24.090	24.067	0.669	-3.720	2.780	77.300
126	6.300	20.669	32.300	32.277	0.832	-3.670	2.578	81.500
127	6.350	20.833	33.010	32.987	1.098	-3.750	3.329	74.400
128	6.400	20.997	34.960	34.936	0.674	-3.910	1.929	75.100
129	6.450	21.161	45.230	45.194	0.413	-5.730	0.914	78.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	32.130	32.025	0.950	-16.780	2.966	58.200
131	6.550	21.489	32.770	32.671	1.101	-15.910	3.370	79.800
132	6.600	21.653	14.500	14.402	1.160	-15.730	8.055	49.000
133	6.650	21.817	34.450	34.353	0.855	-15.520	2.489	40.300
134	6.700	21.981	80.500	80.548	1.379	7.620	1.712	34.400
135	6.750	22.145	65.970	66.012	1.946	6.680	2.948	25.100
136	6.800	22.309	72.710	72.749	2.432	6.190	3.343	31.000
137	6.850	22.473	79.390	79.423	2.138	5.250	2.692	28.400
138	6.900	22.638	66.720	66.754	2.119	5.510	3.174	26.900
139	6.950	22.802	59.880	59.914	1.568	5.370	2.617	27.500
140	7.000	22.966	55.340	55.372	1.366	5.090	2.467	21.700
141	7.050	23.130	55.280	55.308	1.250	4.420	2.260	26.400
142	7.100	23.294	29.630	29.652	1.062	3.470	3.582	31.500
143	7.150	23.458	18.340	18.362	0.771	3.470	4.199	35.100
144	7.200	23.622	30.390	30.409	1.036	3.110	3.407	47.600
145	7.250	23.786	41.440	41.451	1.067	1.750	2.574	44.400
146	7.300	23.950	46.430	46.439	0.839	1.500	1.807	47.900
147	7.350	24.114	29.990	30.001	0.893	1.740	2.977	56.400
148	7.400	24.278	38.560	38.565	0.746	0.790	1.934	67.400
149	7.450	24.442	27.600	27.603	0.737	0.420	2.670	75.500
150	7.500	24.606	14.880	14.900	0.638	3.190	4.282	68.900
151	7.550	24.770	15.500	15.518	0.395	2.870	2.545	74.100
152	7.600	24.934	16.020	16.036	0.283	2.610	1.765	80.600
153	7.650	25.098	29.590	29.579	0.498	-1.810	1.684	86.600
154	7.700	25.262	24.970	24.995	0.255	4.030	1.020	96.700
155	7.750	25.426	10.590	10.612	0.463	3.480	4.363	116.500
156	7.800	25.590	11.790	11.819	0.420	4.660	3.554	120.000
157	7.850	25.754	16.740	16.777	0.688	5.880	4.101	115.500
158	7.900	25.918	34.680	34.720	1.033	6.430	2.975	143.400
159	7.950	26.082	45.840	45.878	1.169	6.070	2.548	152.200
160	8.000	26.246	64.530	64.542	1.603	1.870	2.484	216.200
161	8.050	26.410	65.890	65.901	1.860	1.790	2.822	270.600
162	8.100	26.574	85.480	85.492	2.172	1.990	2.541	299.400
163	8.150	26.739	96.630	96.650	2.353	3.170	2.435	388.000
164	8.200	26.903	80.190	80.215	2.147	4.000	2.677	444.100
165	8.250	27.067	71.310	71.336	2.044	4.210	2.865	534.600
166	8.300	27.231	96.090	96.116	1.896	4.140	1.973	554.400
167	8.350	27.395	75.310	75.337	2.652	4.380	3.520	697.700
168	8.400	27.559	89.060	89.087	2.422	4.250	2.719	991.900
169	8.450	27.723	75.250	75.300	2.911	7.950	3.866	1368.700
170	8.500	27.887	87.400	87.457	2.946	9.100	3.369	1927.800
171	8.550	28.051	100.370	100.426	2.688	8.980	2.677	2841.300
172	8.600	28.215	122.670	122.724	2.630	8.570	2.143	3889.100
173	8.650	28.379	63.710	63.759	1.984	7.880	3.112	4999.100
174	8.700	28.543	41.610	41.659	1.999	7.850	4.798	6283.100
175	8.750	28.707	78.620	78.668	1.618	7.690	2.057	7911.200
176	8.800	28.871	19.450	19.500	1.177	7.970	6.036	9003.100
177	8.850	29.035	11.400	11.450	0.716	8.070	6.253	9962.500
178	8.900	29.199	12.610	12.661	0.542	8.190	4.281	10496.000
179	8.950	29.363	14.290	14.343	0.405	8.420	2.824	10527.700
180	9.000	29.527	19.740	19.793	0.474	8.530	2.395	9934.000
181	9.050	29.691	23.880	23.929	0.488	7.890	2.039	8838.500
182	9.100	29.855	15.130	15.180	0.443	7.980	2.918	7633.800
183	9.150	30.019	14.220	14.270	0.329	8.000	2.306	6251.700
184	9.200	30.183	14.140	14.190	0.375	8.060	2.643	4714.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	26.480	26.530	0.420	7.950	1.583	3054.800
186	9.300	30.511	18.180	18.231	0.572	8.140	3.138	1892.800
187	9.350	30.675	23.540	23.592	0.725	8.340	3.073	1224.000
188	9.400	30.840	47.230	47.282	1.064	8.360	2.250	839.900
189	9.450	31.004	58.020	58.075	1.448	8.760	2.493	624.500
190	9.500	31.168	42.730	42.783	1.682	8.490	3.931	420.300
191	9.550	31.332	47.060	47.110	1.408	8.030	2.989	238.500
192	9.600	31.496	63.350	63.405	1.316	8.870	2.076	184.500
193	9.650	31.660	44.590	44.637	1.271	7.500	2.847	144.700
194	9.700	31.824	33.340	33.388	1.410	7.670	4.223	121.200
195	9.750	31.988	27.530	27.582	1.103	8.250	3.999	111.100
196	9.800	32.152	38.440	38.487	0.979	7.540	2.544	98.900
197	9.850	32.316	28.510	28.560	0.704	7.940	2.465	91.600
198	9.900	32.480	23.370	23.426	0.654	8.980	2.792	87.600
199	9.950	32.644	30.340	30.394	0.727	8.680	2.392	80.700
200	10.000	32.808	31.860	31.911	1.002	8.160	3.140	63.900
201	10.050	32.972	23.320	23.370	0.950	8.040	4.065	50.400
202	10.100	33.136	29.730	29.779	0.963	7.790	3.234	29.500
203	10.150	33.300	27.640	27.689	0.806	7.770	2.911	27.700
204	10.200	33.464	34.550	34.600	1.132	8.020	3.272	23.600
205	10.250	33.628	38.600	38.649	1.225	7.900	3.170	22.200
206	10.300	33.792	42.460	42.510	1.017	7.970	2.392	20.200
207	10.350	33.956	42.700	42.750	1.342	8.040	3.139	12.300
208	10.400	34.120	38.740	38.788	1.134	7.670	2.924	11.200
209	10.450	34.284	47.700	47.749	1.367	7.820	2.863	13.200
210	10.500	34.448	50.010	50.068	1.687	9.270	3.369	10.600
211	10.550	34.612	62.610	62.671	2.049	9.720	3.269	11.800
212	10.600	34.776	30.550	30.612	1.453	9.970	4.746	10.700
213	10.650	34.941	36.470	36.534	1.193	10.250	3.265	17.000
214	10.700	35.105	33.040	33.102	1.589	9.980	4.800	16.200
215	10.750	35.269	37.990	38.053	1.433	10.170	3.766	12.600
216	10.800	35.433	45.580	45.645	1.028	10.350	2.252	13.500
217	10.850	35.597	33.370	33.431	1.109	9.830	3.317	14.300
218	10.900	35.761	28.960	29.021	0.881	9.710	3.036	11.700
219	10.950	35.925	36.240	36.300	1.261	9.600	3.474	13.700
220	11.000	36.089	50.980	51.039	1.592	9.510	3.119	14.800
221	11.050	36.253	64.730	64.789	1.880	9.420	2.902	16.600
222	11.100	36.417	48.280	48.342	1.964	9.900	4.063	12.000
223	11.150	36.581	58.450	58.510	2.137	9.660	3.652	14.400
224	11.200	36.745	61.460	61.516	1.884	9.040	3.063	17.400
225	11.250	36.909	46.730	46.802	1.919	11.520	4.100	18.800
226	11.300	37.073	55.980	56.017	1.943	5.950	3.469	18.600
227	11.350	37.237	53.780	53.803	1.959	3.730	3.641	20.800
228	11.400	37.401	56.140	56.164	1.768	3.830	3.148	19.000
229	11.450	37.565	63.760	63.783	1.530	3.730	2.399	21.700
230	11.500	37.729	79.490	79.527	1.613	5.900	2.028	20.400
231	11.550	37.893	94.080	94.117	1.693	5.980	1.799	18.700
232	11.600	38.057	72.290	72.327	1.909	6.000	2.639	19.000
233	11.650	38.221	59.860	59.898	2.069	6.110	3.454	16.600
234	11.700	38.385	72.230	72.269	1.585	6.210	2.193	20.000
235	11.750	38.549	184.280	184.317	1.801	5.930	0.977	19.600
236	11.800	38.713	59.140	59.181	2.217	6.510	3.746	27.000
237	11.850	38.877	85.030	85.078	2.586	7.650	3.040	38.100
238	11.900	39.042	67.930	67.979	2.383	7.790	3.506	47.000
239	11.950	39.206	48.190	48.254	2.630	10.220	5.450	52.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	82.880	82.944	2.318	10.240	2.795	48.300
241	12.050	39.534	68.570	68.628	1.724	9.370	2.512	47.600
242	12.100	39.698	52.020	52.076	0.987	9.030	1.895	43.000
243	12.150	39.862	59.970	60.026	0.762	8.960	1.269	34.300
244	12.200	40.026	76.990	77.045	0.973	8.770	1.263	28.200
245	12.250	40.190	40.500	40.559	1.235	9.520	3.045	25.200
246	12.300	40.354	49.090	49.147	1.306	9.090	2.657	29.400
247	12.350	40.518	27.040	27.096	1.256	9.010	4.635	44.300
248	12.400	40.682	24.680	24.737	1.023	9.070	4.136	61.300
249	12.450	40.846	18.990	19.048	0.750	9.370	3.937	62.100
250	12.500	41.010	26.510	26.571	0.659	9.840	2.480	75.000
251	12.550	41.174	26.560	26.621	0.762	9.770	2.862	71.300
252	12.600	41.338	29.310	29.373	1.007	10.030	3.428	75.700
253	12.650	41.502	31.200	31.263	1.470	10.140	4.702	63.200
254	12.700	41.666	74.450	74.515	2.118	10.390	2.842	72.900
255	12.750	41.830	65.030	65.094	2.402	10.330	3.690	0.000
256	12.800	41.994	85.290	85.356	2.274	10.590	2.664	0.000
257	12.850	42.158	128.710	128.777	1.915	10.660	1.487	0.000
258	12.900	42.322	137.240	137.306	2.219	10.530	1.616	0.000
259	12.950	42.486	141.560	141.625	2.405	10.360	1.698	0.000
260	13.000	42.650	143.290	143.353	3.043	10.110	2.123	0.000
261	13.050	42.814	147.110	147.173	3.205	10.100	2.178	0.000
262	13.100	42.978	148.300	148.363	4.328	10.140	2.917	0.000
263	13.150	43.143	126.680	126.749	5.145	11.000	4.059	0.000
264	13.200	43.307	106.880	106.954	5.774	11.900	5.399	0.000
265	13.250	43.471	127.030	127.107	6.183	12.360	4.864	0.000
266	13.300	43.635	136.180	136.263	5.474	13.320	4.017	0.000
267	13.350	43.799	146.010	146.119	5.203	17.490	3.561	0.000
268	13.400	43.963	78.930	79.043	3.665	18.080	4.637	0.000
269	13.450	44.127	38.680	38.787	0.000	17.150	0.000	0.000
270	13.500	44.291	44.520	44.629	0.000	17.430	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221546
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-5-4A
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-19-2013
CPT Time:	09:21
CPT File:	13-53075_GP5-4A.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722095.640
Northing / Lat:	4294271.440
Elevation:	145.570
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	8.830	8.834	0.039	0.690	0.441	30.500
2	0.100	0.328	31.260	31.264	0.176	0.720	0.563	39.700
3	0.150	0.492	40.600	40.605	0.137	0.830	0.337	53.600
4	0.200	0.656	41.600	41.606	0.235	0.890	0.565	63.900
5	0.250	0.820	57.220	57.225	0.292	0.860	0.510	69.000
6	0.300	0.984	35.100	35.108	0.395	1.360	1.125	87.400
7	0.350	1.148	27.100	27.108	0.557	1.330	2.055	93.100
8	0.400	1.312	29.670	29.678	0.654	1.300	2.204	83.400
9	0.450	1.476	34.860	34.868	0.538	1.340	1.543	90.200
10	0.500	1.640	46.020	46.028	0.583	1.270	1.267	83.600
11	0.550	1.804	66.680	66.691	1.141	1.750	1.711	62.000
12	0.600	1.968	112.310	112.321	2.717	1.730	2.419	65.200
13	0.650	2.133	179.350	179.361	4.296	1.810	2.395	51.500
14	0.700	2.297	192.910	192.924	3.925	2.180	2.034	46.700
15	0.750	2.461	233.800	233.814	3.126	2.190	1.337	38.000
16	0.800	2.625	236.510	236.524	2.028	2.230	0.857	40.900
17	0.850	2.789	157.800	157.814	2.458	2.200	1.558	43.900
18	0.900	2.953	113.460	113.475	2.348	2.340	2.069	45.000
19	0.950	3.117	72.630	72.645	2.230	2.370	3.070	50.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	44.010	44.025	1.974	2.380	4.484	53.400
21	1.050	3.445	29.450	29.467	1.597	2.670	5.420	50.300
22	1.100	3.609	20.390	20.405	1.039	2.470	5.092	39.400
23	1.150	3.773	15.400	15.415	0.610	2.480	3.957	37.300
24	1.200	3.937	9.690	9.705	0.324	2.390	3.339	30.800
25	1.250	4.101	13.030	13.044	0.264	2.280	2.024	24.800
26	1.300	4.265	12.030	12.043	0.375	2.140	3.114	18.900
27	1.350	4.429	23.490	23.503	0.421	2.060	1.791	20.300
28	1.400	4.593	11.790	11.804	0.359	2.250	3.041	20.400
29	1.450	4.757	18.480	18.492	0.547	1.990	2.958	15.900
30	1.500	4.921	29.400	29.412	0.517	1.890	1.758	21.300
31	1.550	5.085	9.720	9.732	0.485	1.920	4.984	26.900
32	1.600	5.249	14.920	14.931	0.159	1.710	1.065	22.300
33	1.650	5.413	23.010	23.019	0.058	1.420	0.252	22.500
34	1.700	5.577	15.990	15.995	0.037	0.860	0.231	24.100
35	1.750	5.741	10.880	10.885	0.270	0.850	2.480	22.800
36	1.800	5.905	19.640	19.651	0.237	1.790	1.206	23.900
37	1.850	6.069	25.920	25.932	0.253	1.990	0.976	27.200
38	1.900	6.234	35.630	35.648	0.448	2.880	1.257	28.400
39	1.950	6.398	22.860	22.875	0.387	2.400	1.692	33.200
40	2.000	6.562	18.120	18.134	0.427	2.290	2.355	33.200
41	2.050	6.726	26.980	26.996	0.273	2.600	1.011	35.900
42	2.100	6.890	17.110	17.126	0.269	2.540	1.571	33.600
43	2.150	7.054	10.080	10.094	0.267	2.180	2.645	39.300
44	2.200	7.218	5.880	5.895	0.285	2.350	4.835	39.600
45	2.250	7.382	6.170	6.182	0.568	1.990	9.187	42.500
46	2.300	7.546	39.320	39.341	0.534	3.310	1.357	44.800
47	2.350	7.710	11.500	11.512	0.578	1.950	5.021	41.100
48	2.400	7.874	13.730	13.743	0.208	2.160	1.513	47.800
49	2.450	8.038	12.430	12.440	0.231	1.570	1.857	48.000
50	2.500	8.202	7.400	7.416	0.261	2.510	3.520	48.500
51	2.550	8.366	12.960	12.968	0.257	1.250	1.982	43.600
52	2.600	8.530	15.740	15.752	0.176	1.920	1.117	47.200
53	2.650	8.694	79.250	79.263	0.187	2.030	0.236	39.200
54	2.700	8.858	170.410	170.424	0.138	2.240	0.081	38.700
55	2.750	9.022	166.950	166.971	0.004	3.310	0.002	51.600
56	2.800	9.186	93.930	93.958	0.002	4.420	0.002	60.100
57	2.850	9.350	87.760	87.787	0.001	4.390	0.001	68.400
58	2.900	9.514	111.350	111.379	0.031	4.580	0.028	71.800
59	2.950	9.678	130.630	130.661	0.067	5.020	0.051	83.000
60	3.000	9.842	142.650	142.684	0.008	5.430	0.006	89.400
61	3.050	10.006	132.490	132.526	0.092	5.750	0.069	90.400
62	3.100	10.170	133.630	133.667	0.086	5.870	0.064	87.600
63	3.150	10.335	124.390	124.427	0.337	5.900	0.271	92.300
64	3.200	10.499	118.670	118.708	0.060	6.140	0.051	88.400
65	3.250	10.663	109.900	109.940	0.002	6.400	0.002	97.700
66	3.300	10.827	96.150	96.190	0.005	6.350	0.005	88.900
67	3.350	10.991	84.190	84.229	0.108	6.310	0.128	103.300
68	3.400	11.155	83.820	83.859	0.012	6.210	0.014	105.000
69	3.450	11.319	92.910	92.949	0.014	6.190	0.015	119.500
70	3.500	11.483	80.920	80.958	0.014	6.120	0.017	132.800
71	3.550	11.647	66.560	66.598	0.014	6.020	0.021	145.000
72	3.600	11.811	60.400	60.437	0.014	5.990	0.023	147.000
73	3.650	11.975	60.380	60.417	0.014	5.920	0.023	135.100
74	3.700	12.139	59.190	59.228	0.014	6.010	0.024	122.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	59.490	59.527	0.013	5.980	0.022	117.200
76	3.800	12.467	52.300	52.338	0.014	6.100	0.027	103.900
77	3.850	12.631	48.600	48.637	0.014	5.990	0.029	75.400
78	3.900	12.795	42.770	42.807	0.012	5.960	0.028	64.700
79	3.950	12.959	40.850	40.888	0.014	6.030	0.034	47.400
80	4.000	13.123	41.040	41.078	0.013	6.040	0.032	39.900
81	4.050	13.287	64.010	64.048	0.012	6.010	0.019	19.500
82	4.100	13.451	47.660	47.696	0.012	5.800	0.025	18.400
83	4.150	13.615	59.720	59.755	0.112	5.580	0.187	15.400
84	4.200	13.779	88.560	88.595	0.476	5.670	0.537	16.300
85	4.250	13.943	146.210	146.247	0.848	5.860	0.580	10.900
86	4.300	14.107	143.890	143.931	0.771	6.520	0.536	12.200
87	4.350	14.271	148.480	148.520	0.910	6.330	0.613	10.900
88	4.400	14.436	188.520	188.554	0.614	5.470	0.326	8.000
89	4.450	14.600	172.250	172.285	1.579	5.660	0.917	13.700
90	4.500	14.764	99.510	99.545	1.613	5.610	1.620	10.700
91	4.550	14.928	131.970	131.997	0.444	4.390	0.336	13.200
92	4.600	15.092	135.130	135.159	0.647	4.580	0.479	11.200
93	4.650	15.256	171.420	171.450	2.156	4.770	1.258	5.800
94	4.700	15.420	115.810	115.839	2.889	4.600	2.494	9.900
95	4.750	15.584	65.900	65.929	2.069	4.620	3.138	15.100
96	4.800	15.748	12.290	12.314	1.484	3.900	12.051	21.600
97	4.850	15.912	21.120	21.146	0.606	4.140	2.866	29.500
98	4.900	16.076	34.750	34.780	0.836	4.770	2.404	34.000
99	4.950	16.240	111.900	111.930	1.111	4.860	0.993	34.200
100	5.000	16.404	86.980	87.009	1.667	4.640	1.916	42.100
101	5.050	16.568	90.790	90.820	1.860	4.780	2.048	48.300
102	5.100	16.732	73.950	73.979	1.678	4.670	2.268	58.700
103	5.150	16.896	58.430	58.458	1.529	4.430	2.616	53.300
104	5.200	17.060	50.560	50.587	1.032	4.330	2.040	51.800
105	5.250	17.224	39.130	39.156	0.719	4.170	1.836	40.600
106	5.300	17.388	7.610	7.636	0.659	4.180	8.630	35.600
107	5.350	17.552	24.720	24.752	0.526	5.140	2.125	40.600
108	5.400	17.716	24.480	24.511	0.726	5.030	2.962	33.200
109	5.450	17.880	25.800	25.828	0.618	4.460	2.393	34.100
110	5.500	18.044	13.050	13.080	0.738	4.880	5.642	22.700
111	5.550	18.208	11.600	11.634	0.872	5.520	7.495	19.400
112	5.600	18.372	18.790	18.818	0.810	4.410	4.304	17.300
113	5.650	18.537	28.840	28.868	0.828	4.500	2.868	12.600
114	5.700	18.701	39.580	39.605	0.734	3.970	1.853	16.800
115	5.750	18.865	24.250	24.276	0.515	4.200	2.121	16.000
116	5.800	19.029	11.230	11.253	0.304	3.720	2.701	15.700
117	5.850	19.193	8.150	8.172	0.255	3.520	3.120	16.900
118	5.900	19.357	11.380	11.403	0.367	3.730	3.218	23.200
119	5.950	19.521	24.770	24.797	0.439	4.350	1.770	31.100
120	6.000	19.685	34.510	34.538	0.698	4.530	2.021	38.800
121	6.050	19.849	26.470	26.495	0.668	3.990	2.521	56.700
122	6.100	20.013	17.530	17.554	0.572	3.810	3.259	61.500
123	6.150	20.177	21.390	21.409	0.610	3.030	2.849	80.900
124	6.200	20.341	40.840	40.866	0.597	4.170	1.461	92.100
125	6.250	20.505	38.690	38.708	0.494	2.870	1.276	86.500
126	6.300	20.669	32.010	32.017	0.463	1.140	1.446	81.200
127	6.350	20.833	24.470	24.470	0.385	-0.060	1.573	71.200
128	6.400	20.997	20.350	20.345	0.332	-0.810	1.632	71.100
129	6.450	21.161	26.790	26.799	0.546	1.450	2.037	84.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	27.680	27.690	0.646	1.570	2.333	90.700
131	6.550	21.489	53.070	53.082	0.918	2.000	1.729	88.600
132	6.600	21.653	77.260	77.273	1.126	2.040	1.457	79.800
133	6.650	21.817	86.640	86.652	1.535	1.940	1.771	87.400
134	6.700	21.981	80.690	80.698	1.789	1.230	2.217	86.500
135	6.750	22.145	66.600	66.600	1.725	-0.010	2.590	95.400
136	6.800	22.309	56.490	56.488	1.549	-0.360	2.742	93.500
137	6.850	22.473	44.320	44.316	1.272	-0.700	2.870	89.000
138	6.900	22.638	33.950	33.944	0.990	-1.040	2.917	89.500
139	6.950	22.802	26.060	26.052	0.768	-1.270	2.948	80.900
140	7.000	22.966	19.830	19.821	0.710	-1.480	3.582	71.400
141	7.050	23.130	18.590	18.579	0.551	-1.730	2.966	62.700
142	7.100	23.294	18.230	18.219	0.497	-1.700	2.728	54.900
143	7.150	23.458	18.380	18.369	1.071	-1.730	5.830	45.000
144	7.200	23.622	91.910	91.900	1.599	-1.580	1.740	48.400
145	7.250	23.786	29.420	29.431	1.670	1.700	5.674	45.000
146	7.300	23.950	16.540	16.552	1.186	1.880	7.165	51.300
147	7.350	24.114	15.110	15.127	0.539	2.720	3.563	43.600
148	7.400	24.278	12.360	12.381	0.689	3.440	5.565	43.900
149	7.450	24.442	20.360	20.385	0.731	4.050	3.586	42.700
150	7.500	24.606	39.280	39.301	0.872	3.340	2.219	53.000
151	7.550	24.770	47.240	47.264	1.415	3.880	2.994	52.700
152	7.600	24.934	70.980	70.977	1.838	-0.470	2.590	55.800
153	7.650	25.098	42.200	42.191	2.019	-1.440	4.785	60.800
154	7.700	25.262	29.380	29.374	1.846	-0.920	6.284	66.300
155	7.750	25.426	33.720	33.716	1.294	-0.720	3.838	64.400
156	7.800	25.590	24.290	24.286	1.136	-0.580	4.678	64.300
157	7.850	25.754	28.470	28.468	1.101	-0.300	3.867	63.100
158	7.900	25.918	40.030	40.032	0.894	0.320	2.233	53.800
159	7.950	26.082	22.320	22.321	0.948	0.240	4.247	53.500
160	8.000	26.246	50.010	50.013	1.042	0.430	2.083	55.400
161	8.050	26.410	74.040	74.041	0.812	0.150	1.097	47.200
162	8.100	26.574	65.310	65.309	1.002	-0.230	1.534	40.400
163	8.150	26.739	62.310	62.310	0.847	-0.030	1.359	42.400
164	8.200	26.903	51.620	51.619	1.040	-0.100	2.015	37.700
165	8.250	27.067	46.440	46.440	0.724	-0.010	1.559	44.200
166	8.300	27.231	32.770	32.771	0.755	0.210	2.304	33.000
167	8.350	27.395	27.230	27.238	0.564	1.240	2.071	23.300
168	8.400	27.559	27.470	27.479	0.434	1.520	1.579	30.600
169	8.450	27.723	46.330	46.340	1.162	1.550	2.508	33.800
170	8.500	27.887	55.800	55.806	1.432	0.920	2.566	36.600
171	8.550	28.051	56.760	56.751	1.533	-1.390	2.701	50.700
172	8.600	28.215	34.400	34.403	1.615	0.500	4.694	61.100
173	8.650	28.379	17.970	17.974	0.919	0.720	5.113	53.900
174	8.700	28.543	30.870	30.878	0.357	1.290	1.156	56.300
175	8.750	28.707	161.740	161.746	1.794	0.980	1.109	60.500
176	8.800	28.871	172.690	172.698	2.001	1.250	1.159	76.400
177	8.850	29.035	29.030	29.041	2.083	1.760	7.173	76.800
178	8.900	29.199	26.480	26.492	0.839	1.970	3.167	72.500
179	8.950	29.363	22.790	22.795	0.632	0.860	2.772	57.000
180	9.000	29.527	32.850	32.905	0.696	8.790	2.115	56.600
181	9.050	29.691	27.490	27.548	0.638	9.350	2.316	48.900
182	9.100	29.855	36.070	36.127	0.886	9.130	2.452	48.000
183	9.150	30.019	61.610	61.652	1.038	6.680	1.684	52.300
184	9.200	30.183	46.830	46.854	0.990	3.830	2.113	68.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	48.560	48.579	1.163	3.020	2.394	108.700
186	9.300	30.511	44.850	44.870	1.428	3.180	3.183	122.300
187	9.350	30.675	85.940	85.959	1.829	2.990	2.128	98.300
188	9.400	30.840	67.070	67.093	2.182	3.730	3.252	107.100
189	9.450	31.004	62.150	62.173	2.549	3.710	4.100	86.500
190	9.500	31.168	105.380	105.406	3.543	4.090	3.361	60.500
191	9.550	31.332	109.680	109.711	4.644	5.020	4.233	59.800
192	9.600	31.496	75.780	75.811	4.110	5.010	5.421	57.400
193	9.650	31.660	70.440	70.471	2.503	4.950	3.552	54.600
194	9.700	31.824	142.690	142.721	1.204	5.000	0.844	50.300
195	9.750	31.988	190.810	190.840	1.079	4.820	0.565	42.000
196	9.800	32.152	145.540	145.570	1.147	4.810	0.788	42.300
197	9.850	32.316	134.010	134.039	1.593	4.720	1.188	39.300
198	9.900	32.480	102.550	102.579	2.515	4.580	2.452	39.100
199	9.950	32.644	112.090	112.119	3.208	4.620	2.861	30.400
200	10.000	32.808	126.120	126.150	4.444	4.740	3.523	21.500
201	10.050	32.972	114.310	114.343	5.985	5.320	5.234	14.700
202	10.100	33.136	179.780	179.817	7.768	5.910	4.320	11.200
203	10.150	33.300	204.660	204.701	10.141	6.640	4.954	11.900
204	10.200	33.464	208.610	208.664	9.018	8.730	4.322	14.000
205	10.250	33.628	107.760	107.818	8.248	9.300	7.650	13.000
206	10.300	33.792	120.900	120.959	6.104	9.460	5.046	13.100
207	10.350	33.956	118.980	119.040	4.285	9.560	3.600	11.600
208	10.400	34.120	106.180	106.239	4.140	9.440	3.897	11.500
209	10.450	34.284	115.810	115.869	4.121	9.440	3.557	11.400
210	10.500	34.448	120.010	120.070	4.021	9.620	3.349	13.100
211	10.550	34.612	119.700	119.760	4.548	9.610	3.798	14.600
212	10.600	34.776	106.500	106.559	5.378	9.510	5.047	15.100
213	10.650	34.941	105.630	105.692	5.441	9.900	5.148	20.900
214	10.700	35.105	107.870	107.931	4.406	9.800	4.082	24.600
215	10.750	35.269	60.060	60.112	3.400	8.340	5.656	30.300
216	10.800	35.433	46.690	46.741	2.070	8.150	4.429	21.600
217	10.850	35.597	51.760	51.810	1.888	8.070	3.644	17.100
218	10.900	35.761	59.020	59.072	1.720	8.250	2.912	14.600
219	10.950	35.925	43.600	43.649	1.633	7.900	3.741	18.600
220	11.000	36.089	44.960	45.009	1.353	7.910	3.006	14.300
221	11.050	36.253	28.560	28.609	1.202	7.910	4.201	13.000
222	11.100	36.417	25.690	25.740	1.191	8.000	4.627	10.400
223	11.150	36.581	28.750	28.801	1.561	8.090	5.420	11.100
224	11.200	36.745	74.700	74.750	1.612	8.050	2.157	8.700
225	11.250	36.909	82.500	82.546	1.715	7.440	2.078	10.800
226	11.300	37.073	95.320	95.368	1.786	7.610	1.873	13.000
227	11.350	37.237	75.380	75.427	2.226	7.540	2.951	12.700
228	11.400	37.401	95.260	95.307	2.098	7.600	2.201	19.000
229	11.450	37.565	49.100	49.146	1.840	7.440	3.744	23.900
230	11.500	37.729	43.270	43.316	1.549	7.390	3.576	27.000
231	11.550	37.893	35.000	35.047	1.416	7.490	4.040	27.300
232	11.600	38.057	37.050	37.094	1.687	7.030	4.548	23.000
233	11.650	38.221	62.980	63.025	1.952	7.200	3.097	15.500
234	11.700	38.385	61.370	61.415	2.525	7.260	4.111	19.200
235	11.750	38.549	97.530	97.575	3.045	7.280	3.121	17.500
236	11.800	38.713	111.560	111.606	2.483	7.360	2.225	18.100
237	11.850	38.877	76.130	76.178	3.316	7.700	4.353	23.900
238	11.900	39.042	79.420	79.469	3.623	7.820	4.559	30.100
239	11.950	39.206	71.920	71.970	3.303	7.950	4.589	32.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	84.280	84.330	3.215	8.020	3.812	40.900
241	12.050	39.534	78.860	78.911	2.774	8.100	3.515	49.800
242	12.100	39.698	45.850	45.901	2.396	8.230	5.220	63.600
243	12.150	39.862	40.330	40.382	2.020	8.260	5.002	66.800
244	12.200	40.026	55.920	55.971	1.306	8.220	2.333	72.700
245	12.250	40.190	45.590	45.642	1.250	8.270	2.739	68.200
246	12.300	40.354	44.430	44.481	1.049	8.240	2.358	76.500
247	12.350	40.518	38.600	38.651	0.817	8.130	2.114	73.100
248	12.400	40.682	59.990	60.041	0.904	8.210	1.506	69.000
249	12.450	40.846	59.160	59.211	1.017	8.140	1.718	60.400
250	12.500	41.010	59.650	59.700	1.367	8.080	2.290	53.300
251	12.550	41.174	118.570	118.621	2.466	8.170	2.079	44.000
252	12.600	41.338	141.700	141.750	2.701	7.960	1.905	44.800
253	12.650	41.502	123.290	123.341	2.871	8.230	2.328	41.700
254	12.700	41.666	114.100	114.152	2.905	8.290	2.545	32.400
255	12.750	41.830	93.710	93.761	2.669	8.210	2.847	30.400
256	12.800	41.994	100.750	100.802	2.998	8.300	2.974	22.600
257	12.850	42.158	81.700	81.752	4.288	8.310	5.245	21.000
258	12.900	42.322	86.150	86.201	4.000	8.180	4.640	19.100
259	12.950	42.486	37.780	37.833	3.717	8.480	9.825	14.700
260	13.000	42.650	61.340	61.393	3.017	8.440	4.914	17.200
261	13.050	42.814	50.710	50.759	2.663	7.900	5.246	17.700
262	13.100	42.978	69.520	69.568	2.266	7.680	3.257	12.900
263	13.150	43.143	141.390	141.442	2.965	8.350	2.096	26.300
264	13.200	43.307	202.170	202.224	4.842	8.730	2.394	29.100
265	13.250	43.471	159.690	159.744	4.832	8.710	3.025	35.700
266	13.300	43.635	117.410	117.466	3.402	8.970	2.896	42.400
267	13.350	43.799	137.550	137.606	2.148	8.950	1.561	0.000
268	13.400	43.963	159.400	159.456	2.161	8.980	1.355	0.000
269	13.450	44.127	178.570	178.627	3.472	9.080	1.944	0.000
270	13.500	44.291	183.320	183.377	4.589	9.140	2.502	0.000
271	13.550	44.455	169.790	169.848	4.635	9.220	2.729	0.000
272	13.600	44.619	133.410	133.469	4.769	9.480	3.573	0.000
273	13.650	44.783	156.140	156.199	5.206	9.460	3.333	0.000
274	13.700	44.947	102.490	102.552	4.962	9.990	4.839	0.000
275	13.750	45.111	69.700	69.764	3.775	10.210	5.411	0.000
276	13.800	45.275	65.280	65.344	2.731	10.270	4.179	0.000
277	13.850	45.439	57.870	57.934	2.519	10.300	4.348	0.000
278	13.900	45.603	87.720	87.783	2.293	10.130	2.612	0.000
279	13.950	45.767	64.340	64.402	2.084	9.920	3.236	0.000
280	14.000	45.931	74.800	74.862	1.953	9.890	2.609	0.000
281	14.050	46.095	61.390	61.452	0.000	9.870	0.000	0.000
282	14.100	46.259	138.820	138.882	0.000	9.900	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221544
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-5-4
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-19-2013
CPT Time:	08:59
CPT File:	13-53075_GP5-4.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722095.613
Northing / Lat:	4294271.306
Elevation:	145.572
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	2.240	2.240	0.004	0.010	0.179	29.300
2	0.100	0.328	26.190	26.193	0.076	0.450	0.290	33.900
3	0.150	0.492	40.370	40.374	0.154	0.690	0.381	50.600
4	0.200	0.656	38.700	38.704	0.272	0.600	0.703	68.300
5	0.250	0.820	61.180	61.184	0.303	0.680	0.495	67.500
6	0.300	0.984	32.230	32.239	0.516	1.440	1.601	80.600
7	0.350	1.148	27.500	27.509	0.577	1.380	2.098	86.200
8	0.400	1.312	39.780	39.790	0.599	1.610	1.505	88.500
9	0.450	1.476	62.530	62.540	0.993	1.610	1.588	85.700
10	0.500	1.640	73.510	73.520	1.069	1.680	1.454	83.400
11	0.550	1.804	106.210	106.221	1.317	1.810	1.240	58.700
12	0.600	1.968	236.260	236.269	2.241	1.400	0.948	55.400
13	0.650	2.133	266.610	266.620	2.560	1.540	0.960	29.500
14	0.700	2.297	336.070	336.079	2.574	1.400	0.766	38.700
15	0.750	2.461	332.520	332.529	2.304	1.430	0.693	29.400
16	0.800	2.625	296.500	296.509	2.935	1.380	0.990	32.900
17	0.850	2.789	248.560	248.568	2.439	1.320	0.981	36.600
18	0.900	2.953	183.950	183.959	2.180	1.440	1.185	29.700
19	0.950	3.117	141.240	141.251	1.349	1.820	0.955	34.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	93.980	93.991	0.813	1.760	0.865	38.800
21	1.050	3.445	56.710	56.721	0.672	1.760	1.185	45.100
22	1.100	3.609	42.700	42.710	0.713	1.600	1.669	48.100
23	1.150	3.773	26.930	26.940	0.647	1.600	2.402	27.200
24	1.200	3.937	21.590	21.600	0.614	1.570	2.843	30.900
25	1.250	4.101	19.370	19.380	0.680	1.580	3.509	17.100
26	1.300	4.265	19.710	19.724	0.657	2.190	3.331	18.000
27	1.350	4.429	10.430	10.444	0.506	2.170	4.845	16.100
28	1.400	4.593	6.680	6.695	0.348	2.360	5.198	19.600
29	1.450	4.757	4.820	4.833	0.145	2.130	3.000	18.300
30	1.500	4.921	3.950	3.961	0.004	1.840	0.101	13.200
31	1.550	5.085	8.400	8.411	0.053	1.730	0.630	15.600
32	1.600	5.249	10.790	10.803	0.087	2.010	0.805	0.000
33	1.650	5.413	11.270	11.292	0.041	3.580	0.363	0.000
34	1.700	5.577	13.980	14.004	0.063	3.860	0.450	0.000
35	1.750	5.741	12.700	12.726	0.102	4.210	0.801	0.000
36	1.800	5.905	19.270	19.295	0.174	3.990	0.902	0.000
37	1.850	6.069	28.870	28.900	0.079	4.780	0.273	0.000
38	1.900	6.234	20.660	20.701	0.068	6.640	0.328	0.000
39	1.950	6.398	19.230	19.270	0.118	6.420	0.612	0.000
40	2.000	6.562	17.310	17.348	0.155	6.040	0.893	0.000
41	2.050	6.726	17.710	17.746	0.243	5.710	1.369	0.000
42	2.100	6.890	25.630	25.662	0.132	5.190	0.514	0.000
43	2.150	7.054	44.080	44.103	0.244	3.730	0.553	0.000
44	2.200	7.218	38.750	38.769	0.411	3.060	1.060	0.000
45	2.250	7.382	31.330	31.346	0.598	2.550	1.908	0.000
46	2.300	7.546	89.890	89.907	0.000	2.700	0.000	0.000
47	2.350	7.710	329.700	329.709	0.000	1.480	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221548
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-5-5
Cone ID:	226:T1500F15U500
Operator:	DC/YB
CPT Date:	Feb-05-2014
CPT Time:	15:48
CPT File:	13-53075_GP5-5.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722094.360
Northing / Lat:	4294278.430
Elevation:	145.180
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
1	0.050	0.164	217.840	217.894	0.010	8.710	0.005	34.300
2	0.100	0.328	227.870	227.902	0.007	5.070	0.003	38.100
3	0.150	0.492	217.690	217.735	0.014	7.140	0.006	57.400
4	0.200	0.656	177.900	177.987	0.016	13.970	0.009	57.900
5	0.250	0.820	99.720	99.837	0.015	18.730	0.015	73.400
6	0.300	0.984	22.780	22.801	0.016	3.350	0.070	74.100
7	0.350	1.148	14.650	14.725	0.012	11.970	0.081	77.900
8	0.400	1.312	8.130	8.180	0.014	7.960	0.171	79.200
9	0.450	1.476	7.250	7.300	0.024	8.060	0.329	92.400
10	0.500	1.640	9.240	9.306	0.029	10.510	0.312	80.000
11	0.550	1.804	21.890	21.970	0.000	12.850	0.000	73.200
12	0.600	1.968	37.510	37.542	0.109	5.050	0.290	74.300
13	0.650	2.133	39.210	39.254	0.257	7.020	0.655	74.800
14	0.700	2.297	31.030	31.048	0.365	2.930	1.176	64.400
15	0.750	2.461	21.670	21.686	0.336	2.510	1.549	56.300
16	0.800	2.625	28.440	28.422	0.148	-2.890	0.521	51.300
17	0.850	2.789	27.500	27.545	0.400	7.160	1.452	49.200
18	0.900	2.953	19.760	19.796	0.338	5.730	1.707	47.600
19	0.950	3.117	9.650	9.727	0.419	12.370	4.307	28.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	14.310	14.367	0.359	9.110	2.499	30.600
21	1.050	3.445	14.830	14.847	0.214	2.770	1.441	21.200
22	1.100	3.609	3.060	3.073	0.142	2.050	4.621	26.000
23	1.150	3.773	9.660	9.725	0.155	10.420	1.594	23.600
24	1.200	3.937	13.860	13.949	0.074	14.260	0.531	19.400
25	1.250	4.101	5.920	5.920	0.111	0.060	1.875	17.000
26	1.300	4.265	14.290	14.331	0.212	6.580	1.479	26.600
27	1.350	4.429	18.740	18.788	0.194	7.660	1.033	18.500
28	1.400	4.593	13.540	13.615	0.130	11.970	0.955	20.500
29	1.450	4.757	21.860	21.897	0.145	6.000	0.662	37.000
30	1.500	4.921	31.200	31.247	0.408	7.590	1.306	38.100
31	1.550	5.085	20.680	20.739	0.322	9.520	1.553	36.400
32	1.600	5.249	16.180	16.196	0.250	2.600	1.544	40.800
33	1.650	5.413	56.440	56.469	0.777	4.700	1.376	48.600
34	1.700	5.577	56.330	56.347	0.609	2.690	1.081	44.800
35	1.750	5.741	14.160	14.690	0.733	84.880	4.990	48.200
36	1.800	5.905	17.720	17.948	1.004	36.450	5.594	48.300
37	1.850	6.069	25.050	25.068	0.657	2.820	2.621	55.800
38	1.900	6.234	16.370	16.393	0.286	3.630	1.745	62.100
39	1.950	6.398	11.860	11.985	0.344	20.020	2.870	64.400
40	2.000	6.562	17.420	17.554	0.400	21.520	2.279	65.000
41	2.050	6.726	22.480	22.609	0.759	20.740	3.357	56.300
42	2.100	6.890	228.750	228.812	0.692	9.910	0.302	58.700
43	2.150	7.054	257.670	257.697	2.270	4.270	0.881	47.500
44	2.200	7.218	185.950	185.936	2.970	-2.300	1.597	57.000
45	2.250	7.382	183.950	183.919	3.186	-4.960	1.732	64.700
46	2.300	7.546	142.700	142.738	3.358	6.060	2.353	64.000
47	2.350	7.710	131.460	131.481	3.572	3.290	2.717	75.300
48	2.400	7.874	144.180	144.143	3.432	-5.990	2.381	80.900
49	2.450	8.038	127.920	127.867	2.863	-8.460	2.239	94.600
50	2.500	8.202	116.750	116.679	2.650	-11.390	2.271	85.200
51	2.550	8.366	101.530	101.463	2.175	-10.790	2.144	97.000
52	2.600	8.530	93.070	92.996	2.277	-11.800	2.448	106.900
53	2.650	8.694	78.690	78.615	2.022	-11.980	2.572	89.200
54	2.700	8.858	70.500	70.417	1.705	-13.370	2.421	107.100
55	2.750	9.022	57.580	57.514	1.280	-10.590	2.226	104.800
56	2.800	9.186	30.910	30.845	1.006	-10.360	3.261	112.400
57	2.850	9.350	19.560	19.495	0.722	-10.360	3.703	114.600
58	2.900	9.514	16.730	16.666	0.580	-10.240	3.480	99.900
59	2.950	9.678	16.580	16.516	0.497	-10.220	3.009	80.400
60	3.000	9.842	20.080	20.007	0.382	-11.620	1.909	62.800
61	3.050	10.006	27.460	27.419	0.297	-6.610	1.083	50.500
62	3.100	10.170	55.590	55.608	0.233	2.850	0.419	42.200
63	3.150	10.335	64.220	64.264	0.422	7.010	0.657	28.800
64	3.200	10.499	63.780	63.806	0.662	4.170	1.038	22.700
65	3.250	10.663	63.300	63.332	0.590	5.160	0.932	26.400
66	3.300	10.827	67.210	67.206	0.597	-0.700	0.888	27.800
67	3.350	10.991	85.320	85.569	0.588	39.890	0.687	13.800
68	3.400	11.155	52.260	52.288	0.760	4.490	1.453	15.300
69	3.450	11.319	70.730	70.775	1.195	7.160	1.688	20.400
70	3.500	11.483	41.690	41.724	0.742	5.410	1.778	19.600
71	3.550	11.647	19.710	19.727	0.666	2.770	3.376	17.100
72	3.600	11.811	10.730	10.750	0.604	3.260	5.618	13.200
73	3.650	11.975	22.770	22.786	0.618	2.520	2.712	21.000
74	3.700	12.139	20.640	20.672	0.425	5.050	2.056	14.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	23.210	23.232	0.524	3.480	2.256	18.500
76	3.800	12.467	13.200	13.219	0.406	2.970	3.071	15.900
77	3.850	12.631	8.890	8.928	0.273	6.050	3.058	19.700
78	3.900	12.795	42.410	42.451	0.699	6.510	1.647	16.600
79	3.950	12.959	34.360	34.575	0.798	34.480	2.308	22.300
80	4.000	13.123	16.610	16.602	0.802	-1.290	4.831	25.500
81	4.050	13.287	22.160	22.212	0.493	8.400	2.219	25.700
82	4.100	13.451	20.220	20.288	0.335	10.970	1.651	29.200
83	4.150	13.615	51.710	51.782	0.388	11.510	0.749	29.300
84	4.200	13.779	52.170	52.209	0.712	6.200	1.364	26.500
85	4.250	13.943	36.710	36.747	0.847	6.000	2.305	31.300
86	4.300	14.107	28.230	28.266	0.735	5.780	2.600	37.700
87	4.350	14.271	21.500	21.548	1.071	7.650	4.970	34.700
88	4.400	14.436	53.810	53.860	1.017	8.080	1.888	60.400
89	4.450	14.600	65.270	65.327	1.298	9.180	1.987	67.500
90	4.500	14.764	145.770	145.812	1.803	6.690	1.237	77.900
91	4.550	14.928	187.790	187.819	2.138	4.630	1.138	84.000
92	4.600	15.092	178.720	178.752	2.497	5.100	1.397	75.100
93	4.650	15.256	137.800	137.848	2.510	7.710	1.821	75.300
94	4.700	15.420	117.070	117.096	2.372	4.120	2.026	47.000
95	4.750	15.584	94.220	94.236	2.278	2.530	2.417	52.400
96	4.800	15.748	97.550	97.543	2.824	-1.050	2.895	36.500
97	4.850	15.912	65.060	65.106	2.562	7.320	3.935	23.300
98	4.900	16.076	56.260	56.278	1.726	2.880	3.067	20.100
99	4.950	16.240	15.430	15.457	0.672	4.330	4.348	24.100
100	5.000	16.404	46.130	46.245	0.798	18.480	1.726	19.600
101	5.050	16.568	31.450	31.481	0.854	4.890	2.713	24.800
102	5.100	16.732	38.210	38.220	0.638	1.570	1.669	26.900
103	5.150	16.896	17.290	17.292	0.612	0.320	3.539	34.900
104	5.200	17.060	21.170	21.327	1.508	25.210	7.071	48.800
105	5.250	17.224	107.660	107.679	1.467	3.120	1.362	72.800
106	5.300	17.388	49.510	49.615	1.696	16.840	3.418	74.000
107	5.350	17.552	56.850	56.899	1.193	7.870	2.097	78.300
108	5.400	17.716	36.020	36.035	0.948	2.400	2.631	84.500
109	5.450	17.880	32.270	32.275	0.328	0.790	1.016	78.500
110	5.500	18.044	64.410	64.435	1.264	4.000	1.962	77.400
111	5.550	18.208	24.060	24.164	1.038	16.640	4.296	80.900
112	5.600	18.372	21.190	21.272	1.089	13.070	5.120	70.800
113	5.650	18.537	20.560	20.621	0.363	9.740	1.760	79.100
114	5.700	18.701	11.810	11.860	0.349	7.940	2.943	83.800
115	5.750	18.865	10.890	10.970	0.290	12.830	2.644	64.000
116	5.800	19.029	10.080	10.140	0.221	9.610	2.179	84.400
117	5.850	19.193	9.580	9.611	0.232	4.930	2.414	50.000
118	5.900	19.357	12.970	13.013	0.296	6.900	2.275	42.400
119	5.950	19.521	15.700	15.750	0.434	8.030	2.756	39.500
120	6.000	19.685	20.240	20.274	0.481	5.500	2.372	27.700
121	6.050	19.849	14.370	14.419	0.667	7.770	4.626	32.200
122	6.100	20.013	14.820	14.894	0.749	11.930	5.029	17.400
123	6.150	20.177	20.700	20.720	0.561	3.220	2.708	12.500
124	6.200	20.341	35.220	35.266	0.588	7.400	1.667	9.700
125	6.250	20.505	45.250	45.292	0.788	6.710	1.740	13.300
126	6.300	20.669	52.490	52.471	1.060	-3.110	2.020	13.300
127	6.350	20.833	40.850	40.871	0.936	3.310	2.290	10.600
128	6.400	20.997	34.640	34.654	0.833	2.300	2.404	16.200
129	6.450	21.161	38.730	38.738	0.594	1.270	1.533	22.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	15.710	15.741	0.450	4.970	2.859	23.200
131	6.550	21.489	16.410	16.436	0.288	4.160	1.752	19.900
132	6.600	21.653	31.950	31.970	0.730	3.130	2.283	26.400
133	6.650	21.817	34.510	34.542	0.706	5.120	2.044	25.000
134	6.700	21.981	7.130	7.165	0.770	5.670	10.746	32.200
135	6.750	22.145	12.430	12.470	0.481	6.440	3.857	38.800
136	6.800	22.309	6.060	6.148	0.607	14.050	9.874	39.600
137	6.850	22.473	11.610	11.727	0.803	18.730	6.847	42.600
138	6.900	22.638	47.330	47.393	0.841	10.150	1.775	47.600
139	6.950	22.802	101.940	101.949	1.250	1.480	1.226	43.400
140	7.000	22.966	51.070	51.115	1.612	7.200	3.154	55.300
141	7.050	23.130	118.500	118.542	2.311	6.730	1.950	42.300
142	7.100	23.294	148.460	148.499	1.030	6.320	0.694	36.100
143	7.150	23.458	143.050	143.087	1.721	5.950	1.203	43.000
144	7.200	23.622	87.790	87.848	2.227	9.310	2.535	25.100
145	7.250	23.786	92.000	92.049	1.450	7.910	1.575	27.300
146	7.300	23.950	94.480	94.522	1.526	6.680	1.614	29.700
147	7.350	24.114	103.550	103.598	2.135	7.620	2.061	26.400
148	7.400	24.278	86.210	86.259	1.000	7.790	1.159	27.100
149	7.450	24.442	64.570	64.615	0.849	7.140	1.314	37.100
150	7.500	24.606	60.830	60.887	0.274	9.210	0.450	31.300
151	7.550	24.770	63.970	64.016	0.785	7.400	1.226	38.100
152	7.600	24.934	78.940	78.987	0.729	7.510	0.923	37.000
153	7.650	25.098	35.480	35.529	0.582	7.870	1.638	41.100
154	7.700	25.262	28.210	28.286	0.398	12.220	1.407	43.300
155	7.750	25.426	31.190	31.237	0.381	7.580	1.220	55.100
156	7.800	25.590	15.200	15.265	0.652	10.450	4.271	66.200
157	7.850	25.754	21.610	21.641	0.512	4.920	2.366	65.700
158	7.900	25.918	27.390	27.629	0.646	38.210	2.338	70.800
159	7.950	26.082	62.020	62.172	1.102	24.370	1.772	60.500
160	8.000	26.246	84.730	84.726	1.547	-0.680	1.826	63.300
161	8.050	26.410	74.290	74.233	2.066	-9.140	2.783	61.700
162	8.100	26.574	78.330	78.337	1.695	1.050	2.164	49.700
163	8.150	26.739	96.050	96.135	2.388	13.590	2.484	49.000
164	8.200	26.903	122.450	122.380	3.034	-11.230	2.479	53.800
165	8.250	27.067	99.950	99.901	3.042	-7.900	3.045	40.100
166	8.300	27.231	188.650	188.664	3.074	2.220	1.629	40.900
167	8.350	27.395	177.820	177.827	5.093	1.110	2.864	39.100
168	8.400	27.559	147.590	147.566	4.576	-3.810	3.101	30.200
169	8.450	27.723	121.650	121.767	3.691	18.820	3.031	27.900
170	8.500	27.887	89.610	89.725	2.202	18.420	2.454	27.400
171	8.550	28.051	47.700	47.713	1.339	2.060	2.806	29.200
172	8.600	28.215	82.290	82.367	1.307	12.360	1.587	27.700
173	8.650	28.379	83.240	83.392	1.634	24.370	1.959	19.600
174	8.700	28.543	45.410	45.517	1.900	17.110	4.174	30.100
175	8.750	28.707	47.180	47.266	1.660	13.720	3.512	25.000
176	8.800	28.871	19.510	19.690	1.071	28.810	5.439	36.200
177	8.850	29.035	17.520	17.570	0.711	7.960	4.047	47.000
178	8.900	29.199	15.380	15.470	0.343	14.350	2.217	57.000
179	8.950	29.363	14.400	14.466	0.332	10.590	2.295	80.600
180	9.000	29.527	31.060	31.133	0.653	11.700	2.097	80.000
181	9.050	29.691	44.500	44.657	0.977	25.130	2.188	118.100
182	9.100	29.855	51.790	51.826	1.599	5.720	3.085	142.500
183	9.150	30.019	56.220	56.344	1.555	19.880	2.760	185.900
184	9.200	30.183	36.590	36.717	1.533	20.390	4.175	297.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	27.550	27.578	1.028	4.440	3.728	409.600
186	9.300	30.511	21.370	21.503	0.924	21.280	4.297	518.300
187	9.350	30.675	29.690	29.772	0.812	13.070	2.727	725.300
188	9.400	30.840	15.840	15.932	0.800	14.710	5.021	904.800
189	9.450	31.004	27.350	27.414	1.069	10.310	3.899	1209.500
190	9.500	31.168	47.870	47.967	1.597	15.530	3.329	1600.700
191	9.550	31.332	59.670	59.868	2.074	31.680	3.464	2387.600
192	9.600	31.496	62.960	63.072	2.023	17.980	3.207	3483.600
193	9.650	31.660	54.090	54.145	1.659	8.850	3.064	4932.800
194	9.700	31.824	20.980	21.405	0.997	68.020	4.658	6284.200
195	9.750	31.988	16.990	17.403	0.574	66.110	3.298	7281.400
196	9.800	32.152	14.540	15.164	0.416	99.880	2.743	7506.000
197	9.850	32.316	16.710	17.332	0.399	99.630	2.302	7373.800
198	9.900	32.480	84.960	85.569	1.502	97.540	1.755	7170.300
199	9.950	32.644	148.740	148.746	1.572	0.930	1.057	7288.500
200	10.000	32.808	30.950	31.053	1.394	16.510	4.489	7189.000
201	10.050	32.972	22.640	23.009	0.724	59.180	3.147	6918.900
202	10.100	33.136	23.310	23.776	0.630	74.720	2.650	6288.200
203	10.150	33.300	35.660	36.643	0.809	157.440	2.208	5414.300
204	10.200	33.464	41.190	41.648	1.077	73.430	2.586	3748.200
205	10.250	33.628	57.100	57.263	1.421	26.100	2.482	2319.400
206	10.300	33.792	37.200	37.265	1.597	10.400	4.286	1599.000
207	10.350	33.956	49.420	49.835	1.802	66.410	3.616	908.500
208	10.400	34.120	106.780	106.901	2.088	19.320	1.953	540.300
209	10.450	34.284	104.930	104.940	2.374	1.610	2.262	309.100
210	10.500	34.448	90.320	90.341	2.251	3.320	2.492	182.000
211	10.550	34.612	79.110	79.152	1.622	6.780	2.049	144.000
212	10.600	34.776	62.840	62.918	1.942	12.520	3.087	114.100
213	10.650	34.941	64.140	64.191	2.063	8.200	3.214	101.300
214	10.700	35.105	51.090	51.154	2.052	10.240	4.011	75.900
215	10.750	35.269	54.070	54.302	2.053	37.220	3.781	68.400
216	10.800	35.433	34.830	35.054	2.167	35.830	6.182	65.900
217	10.850	35.597	25.730	25.929	1.779	31.910	6.861	47.500
218	10.900	35.761	39.860	39.848	1.397	-1.930	3.506	29.000
219	10.950	35.925	42.640	42.967	1.450	52.390	3.375	22.900
220	11.000	36.089	51.740	51.767	2.002	4.390	3.867	14.700
221	11.050	36.253	58.000	58.098	2.242	15.620	3.859	14.700
222	11.100	36.417	72.300	72.681	2.450	60.970	3.371	12.400
223	11.150	36.581	47.080	47.204	2.278	19.820	4.826	14.200
224	11.200	36.745	47.880	47.943	2.227	10.090	4.645	10.200
225	11.250	36.909	35.230	35.299	2.008	11.120	5.688	8.200
226	11.300	37.073	48.410	48.599	1.911	30.300	3.932	10.700
227	11.350	37.237	28.490	28.538	1.590	7.720	5.571	9.900
228	11.400	37.401	28.200	28.234	0.711	5.380	2.518	7.700
229	11.450	37.565	48.490	48.550	1.428	9.590	2.941	6.200
230	11.500	37.729	75.140	75.190	1.107	7.990	1.472	7.600
231	11.550	37.893	100.030	100.067	0.893	5.890	0.892	9.600
232	11.600	38.057	41.720	41.963	1.603	38.890	3.820	11.200
233	11.650	38.221	88.670	88.793	2.273	19.650	2.560	9.000
234	11.700	38.385	41.660	41.784	2.295	19.820	5.493	14.400
235	11.750	38.549	38.210	38.383	2.068	27.670	5.388	17.100
236	11.800	38.713	45.950	45.985	1.330	5.660	2.892	19.100
237	11.850	38.877	51.010	51.054	1.454	6.990	2.848	16.300
238	11.900	39.042	52.090	52.424	2.045	53.510	3.901	18.100
239	11.950	39.206	57.820	57.886	1.818	10.520	3.141	16.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	31.680	31.741	1.849	9.770	5.825	10.600
241	12.050	39.534	38.260	38.725	1.691	74.490	4.367	13.400
242	12.100	39.698	46.240	46.547	1.559	49.250	3.349	14.400
243	12.150	39.862	57.390	57.536	2.229	23.360	3.874	13.800
244	12.200	40.026	64.960	65.041	2.006	13.020	3.084	14.300
245	12.250	40.190	30.900	31.043	1.582	22.870	5.096	18.000
246	12.300	40.354	44.290	44.452	1.481	25.890	3.332	14.300
247	12.350	40.518	43.580	43.655	1.233	12.050	2.824	18.600
248	12.400	40.682	45.670	45.750	1.468	12.830	3.209	20.200
249	12.450	40.846	51.680	51.951	1.724	43.350	3.319	19.200
250	12.500	41.010	61.410	61.452	1.937	6.710	3.152	12.500
251	12.550	41.174	37.480	37.579	1.775	15.930	4.723	13.000
252	12.600	41.338	31.830	31.892	1.621	9.960	5.083	12.000
253	12.650	41.502	38.390	38.428	1.397	6.020	3.635	23.000
254	12.700	41.666	35.510	35.973	1.256	74.210	3.491	15.300
255	12.750	41.830	40.210	40.443	1.125	37.370	2.782	13.500
256	12.800	41.994	44.020	44.087	1.220	10.670	2.767	14.900
257	12.850	42.158	42.330	42.388	1.226	9.320	2.892	15.000
258	12.900	42.322	28.260	28.377	1.435	18.730	5.057	17.100
259	12.950	42.486	51.280	51.327	1.617	7.510	3.150	11.400
260	13.000	42.650	51.720	51.936	1.771	34.530	3.410	16.900
261	13.050	42.814	57.730	57.832	1.973	16.350	3.412	17.300
262	13.100	42.978	70.930	71.081	2.702	24.250	3.801	26.300
263	13.150	43.143	143.170	143.500	3.588	52.860	2.500	39.500
264	13.200	43.307	85.020	85.125	3.402	16.800	3.996	39.800
265	13.250	43.471	70.160	70.277	1.955	18.820	2.782	50.600
266	13.300	43.635	68.660	68.795	1.224	21.630	1.779	42.500
267	13.350	43.799	31.310	31.376	0.813	10.640	2.591	42.700
268	13.400	43.963	41.550	41.645	0.759	15.290	1.823	59.400
269	13.450	44.127	67.280	67.408	0.638	20.480	0.946	60.900
270	13.500	44.291	103.800	103.895	0.824	15.170	0.793	57.200
271	13.550	44.455	125.300	125.393	0.934	14.960	0.745	37.900
272	13.600	44.619	116.970	117.050	1.203	12.820	1.028	46.500
273	13.650	44.783	73.030	73.112	1.140	13.200	1.559	36.500
274	13.700	44.947	58.480	58.542	1.151	9.980	1.966	29.600
275	13.750	45.111	60.350	60.455	1.750	16.770	2.895	25.500
276	13.800	45.275	77.940	77.998	1.927	9.370	2.471	22.100
277	13.850	45.439	41.610	41.773	1.765	26.050	4.225	0.000
278	13.900	45.603	35.660	35.746	1.168	13.700	3.268	0.000
279	13.950	45.767	27.360	27.414	0.957	8.700	3.491	0.000
280	14.000	45.931	27.820	27.882	0.872	9.880	3.128	0.000
281	14.050	46.095	88.570	88.701	1.967	20.910	2.218	0.000
282	14.100	46.259	113.680	113.737	2.969	9.180	2.610	0.000
283	14.150	46.423	70.100	70.079	3.158	-3.310	4.506	0.000
284	14.200	46.587	50.360	50.518	3.127	25.370	6.190	0.000
285	14.250	46.751	76.030	76.639	2.440	97.590	3.184	0.000
286	14.300	46.915	95.940	96.259	2.497	51.060	2.594	0.000
287	14.350	47.079	86.800	86.987	2.166	29.960	2.490	0.000
288	14.400	47.244	82.890	83.000	2.572	17.600	3.099	0.000
289	14.450	47.408	148.190	148.282	2.616	14.810	1.764	0.000
290	14.500	47.572	31.670	31.769	2.071	15.840	6.519	0.000
291	14.550	47.736	22.610	23.031	0.000	67.470	0.000	0.000
292	14.600	47.900	21.020	21.469	0.000	71.880	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221549
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-5-6
Cone ID:	226:T1500F15U500
Operator:	DC/YB
CPT Date:	Feb-05-2014
CPT Time:	14:28
CPT File:	13-53075_GP5-6.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722098.020
Northing / Lat:	4294292.150
Elevation:	144.590
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	395.260	395.309	0.497	7.860	0.126	29.600
2	0.100	0.328	355.850	355.911	0.793	9.800	0.223	47.700
3	0.150	0.492	302.100	302.122	0.505	3.520	0.167	55.100
4	0.200	0.656	211.570	211.609	0.515	6.320	0.243	50.100
5	0.250	0.820	147.920	148.017	0.415	15.510	0.280	58.400
6	0.300	0.984	90.480	90.603	0.322	19.730	0.355	67.300
7	0.350	1.148	43.230	43.265	0.217	5.680	0.502	70.600
8	0.400	1.312	25.410	25.423	0.211	2.150	0.830	73.500
9	0.450	1.476	19.600	19.574	0.230	-4.170	1.175	84.200
10	0.500	1.640	14.500	14.479	0.223	-3.370	1.540	88.200
11	0.550	1.804	14.220	14.260	0.217	6.390	1.522	87.500
12	0.600	1.968	20.920	20.941	0.219	3.360	1.046	90.100
13	0.650	2.133	39.910	39.891	0.294	-3.110	0.737	103.500
14	0.700	2.297	60.600	60.576	0.501	-3.920	0.827	88.500
15	0.750	2.461	70.990	70.976	0.865	-2.230	1.219	87.900
16	0.800	2.625	63.860	63.884	1.037	3.840	1.623	84.700
17	0.850	2.789	54.470	54.587	1.146	18.810	2.099	91.000
18	0.900	2.953	58.710	58.784	1.018	11.910	1.732	88.800
19	0.950	3.117	73.680	73.724	0.948	7.100	1.286	77.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	76.810	76.813	0.849	0.460	1.105	86.700
21	1.050	3.445	74.950	74.950	0.819	0.020	1.093	87.900
22	1.100	3.609	62.980	62.982	1.032	0.270	1.639	98.500
23	1.150	3.773	46.560	46.558	1.103	-0.310	2.369	81.800
24	1.200	3.937	38.880	38.889	1.071	1.400	2.754	87.200
25	1.250	4.101	69.230	69.255	1.023	3.930	1.477	87.100
26	1.300	4.265	74.210	74.158	1.195	-8.390	1.611	88.100
27	1.350	4.429	58.550	58.486	1.288	-10.280	2.202	77.600
28	1.400	4.593	43.780	43.732	1.172	-7.690	2.680	83.300
29	1.450	4.757	38.170	38.135	0.904	-5.590	2.371	86.500
30	1.500	4.921	61.890	61.859	0.946	-4.920	1.529	81.700
31	1.550	5.085	69.380	69.390	0.916	1.560	1.320	81.500
32	1.600	5.249	39.410	39.418	0.950	1.220	2.410	80.500
33	1.650	5.413	29.740	29.777	0.920	5.860	3.090	92.600
34	1.700	5.577	20.530	20.539	0.708	1.380	3.447	79.200
35	1.750	5.741	20.950	20.955	0.436	0.770	2.081	65.100
36	1.800	5.905	36.980	36.969	0.302	-1.780	0.817	61.900
37	1.850	6.069	55.160	55.161	0.480	0.200	0.870	57.200
38	1.900	6.234	48.770	48.787	0.570	2.650	1.168	56.800
39	1.950	6.398	15.990	16.004	0.682	2.190	4.262	59.600
40	2.000	6.562	12.320	12.331	0.428	1.790	3.471	64.100
41	2.050	6.726	9.910	9.917	0.354	1.130	3.570	75.400
42	2.100	6.890	10.520	10.516	0.339	-0.620	3.224	73.600
43	2.150	7.054	6.610	6.632	0.352	3.520	5.308	107.900
44	2.200	7.218	6.010	6.016	0.339	0.930	5.635	86.900
45	2.250	7.382	4.570	4.572	0.291	0.310	6.365	83.900
46	2.300	7.546	4.070	4.059	0.237	-1.820	5.839	53.400
47	2.350	7.710	5.970	5.955	0.238	-2.350	3.996	62.200
48	2.400	7.874	10.480	10.463	0.163	-2.750	1.558	46.400
49	2.450	8.038	4.990	4.972	0.096	-2.850	1.931	40.800
50	2.500	8.202	7.540	7.505	0.079	-5.540	1.053	39.100
51	2.550	8.366	7.420	7.437	0.027	2.730	0.363	54.600
52	2.600	8.530	2.130	2.138	0.043	1.250	2.011	55.200
53	2.650	8.694	7.160	7.169	0.062	1.400	0.865	65.200
54	2.700	8.858	8.640	8.678	0.071	6.070	0.818	65.600
55	2.750	9.022	10.040	10.073	0.070	5.210	0.695	64.300
56	2.800	9.186	10.040	10.073	0.083	5.280	0.824	56.700
57	2.850	9.350	7.500	7.511	0.112	1.810	1.491	48.300
58	2.900	9.514	9.660	9.671	0.110	1.750	1.137	44.900
59	2.950	9.678	12.910	12.939	0.327	4.720	2.527	32.100
60	3.000	9.842	34.610	34.622	0.411	1.920	1.187	27.000
61	3.050	10.006	42.360	42.398	0.375	6.050	0.884	20.800
62	3.100	10.170	69.030	69.045	0.266	2.400	0.385	23.300
63	3.150	10.335	73.440	73.497	0.328	9.110	0.446	18.700
64	3.200	10.499	52.000	52.033	0.599	5.240	1.151	30.800
65	3.250	10.663	50.160	50.206	0.946	7.420	1.884	44.300
66	3.300	10.827	87.330	87.391	1.161	9.730	1.329	35.400
67	3.350	10.991	66.710	66.707	1.558	-0.440	2.336	25.000
68	3.400	11.155	56.300	56.294	1.263	-0.970	2.244	31.300
69	3.450	11.319	30.010	30.026	0.580	2.610	1.932	19.800
70	3.500	11.483	47.440	47.477	0.581	5.910	1.224	18.600
71	3.550	11.647	52.340	52.363	0.555	3.710	1.060	14.500
72	3.600	11.811	31.990	31.995	0.587	0.740	1.835	20.400
73	3.650	11.975	16.880	16.876	0.775	-0.610	4.592	15.300
74	3.700	12.139	15.470	15.488	0.580	2.860	3.745	24.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	17.200	17.217	0.710	2.650	4.124	29.300
76	3.800	12.467	35.740	35.788	0.825	7.700	2.305	40.900
77	3.850	12.631	24.440	24.464	0.920	3.810	3.761	39.000
78	3.900	12.795	33.260	33.264	0.621	0.600	1.867	48.100
79	3.950	12.959	41.360	41.386	0.607	4.170	1.467	49.500
80	4.000	13.123	48.950	48.980	1.008	4.860	2.058	45.100
81	4.050	13.287	58.480	58.498	1.114	2.900	1.904	40.200
82	4.100	13.451	51.470	51.469	1.115	-0.210	2.166	30.600
83	4.150	13.615	48.240	48.262	1.190	3.450	2.466	21.400
84	4.200	13.779	54.850	54.879	1.463	4.680	2.666	20.000
85	4.250	13.943	46.550	46.613	1.548	10.040	3.321	17.800
86	4.300	14.107	45.730	45.776	1.203	7.440	2.628	8.700
87	4.350	14.271	46.100	46.110	1.212	1.610	2.628	22.000
88	4.400	14.436	45.640	45.642	1.065	0.350	2.333	19.700
89	4.450	14.600	18.780	18.792	0.664	1.930	3.533	19.700
90	4.500	14.764	29.940	29.955	0.318	2.400	1.062	23.700
91	4.550	14.928	11.430	11.432	0.241	0.360	2.108	34.500
92	4.600	15.092	15.740	15.794	0.236	8.690	1.494	29.700
93	4.650	15.256	14.610	14.635	0.324	3.960	2.214	36.300
94	4.700	15.420	19.010	19.021	0.477	1.690	2.508	45.000
95	4.750	15.584	12.850	12.857	0.473	1.100	3.679	62.300
96	4.800	15.748	20.750	20.758	0.633	1.310	3.049	61.100
97	4.850	15.912	19.130	19.144	0.502	2.230	2.622	57.100
98	4.900	16.076	9.000	9.064	0.323	10.200	3.564	60.700
99	4.950	16.240	9.230	9.248	0.093	2.920	1.006	52.900
100	5.000	16.404	7.450	7.460	0.149	1.660	1.997	56.500
101	5.050	16.568	11.140	11.169	0.206	4.600	1.844	65.000
102	5.100	16.732	11.360	11.397	0.239	5.880	2.097	59.900
103	5.150	16.896	23.550	23.536	0.595	-2.190	2.528	51.500
104	5.200	17.060	16.710	16.684	0.484	-4.220	2.901	52.000
105	5.250	17.224	34.280	34.219	0.855	-9.830	2.499	47.300
106	5.300	17.388	24.080	23.990	0.768	-14.380	3.201	44.200
107	5.350	17.552	15.790	15.731	0.541	-9.390	3.439	50.300
108	5.400	17.716	17.460	17.515	0.420	8.800	2.398	36.500
109	5.450	17.880	15.170	15.200	0.561	4.870	3.691	29.600
110	5.500	18.044	17.030	16.978	0.432	-8.340	2.544	32.500
111	5.550	18.208	26.290	26.356	0.610	10.580	2.314	28.000
112	5.600	18.372	49.230	49.276	0.849	7.420	1.723	28.600
113	5.650	18.537	32.400	32.457	0.916	9.180	2.822	28.900
114	5.700	18.701	20.170	20.198	1.387	4.490	6.867	35.500
115	5.750	18.865	64.320	64.362	1.496	6.730	2.324	28.800
116	5.800	19.029	49.700	49.684	1.469	-2.500	2.957	40.000
117	5.850	19.193	55.680	55.805	1.330	20.000	2.383	35.800
118	5.900	19.357	32.300	32.376	0.944	12.180	2.916	45.900
119	5.950	19.521	29.230	29.440	0.938	33.670	3.186	65.900
120	6.000	19.685	33.110	33.213	0.857	16.490	2.580	68.600
121	6.050	19.849	39.220	39.300	0.735	12.780	1.870	74.200
122	6.100	20.013	66.250	66.334	1.241	13.460	1.871	67.300
123	6.150	20.177	62.460	62.476	1.347	2.630	2.156	60.100
124	6.200	20.341	51.670	51.655	1.077	-2.480	2.085	58.100
125	6.250	20.505	55.500	55.392	1.030	-17.310	1.859	50.200
126	6.300	20.669	56.470	56.374	1.598	-15.320	2.835	59.600
127	6.350	20.833	31.990	31.904	1.567	-13.710	4.912	41.000
128	6.400	20.997	25.820	25.790	1.329	-4.880	5.153	22.500
129	6.450	21.161	25.130	25.166	0.793	5.810	3.151	24.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	14.350	14.357	0.785	1.100	5.468	28.000
131	6.550	21.489	17.860	17.921	0.788	9.830	4.397	32.800
132	6.600	21.653	20.360	20.407	0.693	7.560	3.396	40.100
133	6.650	21.817	17.520	17.845	0.542	52.080	3.037	46.500
134	6.700	21.981	12.950	13.463	0.446	82.180	3.313	46.300
135	6.750	22.145	12.410	12.807	0.405	63.530	3.162	44.900
136	6.800	22.309	25.230	25.628	0.601	63.770	2.345	57.800
137	6.850	22.473	23.110	23.494	0.694	61.480	2.954	59.100
138	6.900	22.638	13.780	14.308	0.642	84.610	4.487	55.800
139	6.950	22.802	40.120	40.259	0.805	22.310	2.000	62.100
140	7.000	22.966	43.520	43.559	1.085	6.190	2.491	78.100
141	7.050	23.130	30.740	30.708	1.160	-5.070	3.777	69.500
142	7.100	23.294	22.680	22.732	1.030	8.290	4.531	58.900
143	7.150	23.458	23.920	23.946	0.991	4.220	4.138	48.600
144	7.200	23.622	102.430	102.384	1.704	-7.290	1.664	46.700
145	7.250	23.786	60.260	60.278	1.784	2.820	2.960	53.700
146	7.300	23.950	22.260	22.295	1.550	5.670	6.952	58.100
147	7.350	24.114	18.010	18.024	0.739	2.190	4.100	81.300
148	7.400	24.278	14.290	14.356	0.589	10.540	4.103	87.100
149	7.450	24.442	15.250	15.344	0.574	15.060	3.741	79.400
150	7.500	24.606	31.280	31.361	1.059	13.020	3.377	78.600
151	7.550	24.770	42.950	42.978	0.914	4.490	2.127	97.200
152	7.600	24.934	47.560	47.590	0.849	4.800	1.784	71.900
153	7.650	25.098	49.910	49.930	1.081	3.220	2.165	100.600
154	7.700	25.262	39.910	39.945	0.954	5.550	2.388	119.700
155	7.750	25.426	28.700	28.747	1.232	7.550	4.286	207.100
156	7.800	25.590	42.510	42.590	1.214	12.870	2.850	386.600
157	7.850	25.754	41.700	41.666	1.075	-5.430	2.580	619.100
158	7.900	25.918	32.360	32.308	1.030	-8.250	3.188	794.400
159	7.950	26.082	38.830	38.848	1.268	2.930	3.264	1034.900
160	8.000	26.246	133.380	133.399	1.493	3.060	1.119	1359.600
161	8.050	26.410	92.020	92.025	1.994	0.870	2.167	1593.500
162	8.100	26.574	156.010	156.042	2.597	5.070	1.664	2144.200
163	8.150	26.739	81.650	81.639	2.320	-1.800	2.842	3039.900
164	8.200	26.903	37.520	37.574	2.212	8.580	5.887	4284.200
165	8.250	27.067	33.620	33.762	1.244	22.720	3.685	5535.500
166	8.300	27.231	22.810	22.827	0.705	2.670	3.088	6385.100
167	8.350	27.395	20.720	20.791	0.730	11.420	3.511	6764.400
168	8.400	27.559	19.140	19.258	0.454	18.950	2.357	6688.000
169	8.450	27.723	15.420	15.848	0.461	68.560	2.909	5834.100
170	8.500	27.887	17.990	18.325	0.413	53.630	2.254	4443.800
171	8.550	28.051	26.110	26.444	0.679	53.540	2.568	2727.800
172	8.600	28.215	25.340	25.272	0.623	-10.890	2.465	1655.800
173	8.650	28.379	20.680	20.935	0.762	40.850	3.640	1020.500
174	8.700	28.543	27.220	27.280	0.599	9.640	2.196	657.300
175	8.750	28.707	36.160	36.410	0.737	40.090	2.024	403.900
176	8.800	28.871	93.970	94.091	1.792	19.450	1.905	283.100
177	8.850	29.035	91.030	91.074	2.201	7.020	2.417	245.400
178	8.900	29.199	61.530	61.688	2.475	25.230	4.012	182.400
179	8.950	29.363	41.540	41.585	1.805	7.150	4.341	155.000
180	9.000	29.527	59.240	59.297	2.202	9.160	3.713	114.500
181	9.050	29.691	90.670	90.724	2.834	8.670	3.124	79.800
182	9.100	29.855	163.590	163.668	3.565	12.450	2.178	62.800
183	9.150	30.019	169.850	169.956	3.051	16.930	1.795	48.500
184	9.200	30.183	164.720	164.787	3.128	10.760	1.898	48.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	116.180	116.214	3.439	5.420	2.959	30.500
186	9.300	30.511	246.300	246.441	2.826	22.660	1.147	22.500
187	9.350	30.675	212.070	212.329	1.528	41.490	0.720	23.800
188	9.400	30.840	111.460	111.558	1.502	15.710	1.346	22.200
189	9.450	31.004	133.580	133.650	2.047	11.230	1.532	22.100
190	9.500	31.168	58.570	58.603	1.602	5.340	2.734	17.800
191	9.550	31.332	50.350	50.375	1.553	3.990	3.083	21.800
192	9.600	31.496	47.150	47.196	1.149	7.370	2.435	22.100
193	9.650	31.660	35.980	36.042	1.068	10.010	2.963	22.400
194	9.700	31.824	20.070	20.118	0.917	7.610	4.558	21.200
195	9.750	31.988	35.470	35.526	1.016	8.900	2.860	18.900
196	9.800	32.152	32.410	32.462	1.049	8.360	3.231	10.100
197	9.850	32.316	39.380	39.479	1.309	15.910	3.316	23.300
198	9.900	32.480	60.090	60.263	1.659	27.680	2.753	14.600
199	9.950	32.644	83.260	83.357	2.008	15.550	2.409	14.900
200	10.000	32.808	54.090	54.201	1.660	17.710	3.063	19.900
201	10.050	32.972	18.690	18.761	1.188	11.420	6.332	18.100
202	10.100	33.136	16.130	16.183	0.671	8.500	4.146	16.100
203	10.150	33.300	10.500	10.568	0.562	10.960	5.318	18.700
204	10.200	33.464	21.370	21.472	1.200	16.380	5.589	19.900
205	10.250	33.628	75.250	75.287	1.277	5.990	1.696	31.700
206	10.300	33.792	27.160	27.247	1.692	13.880	6.210	29.700
207	10.350	33.956	63.080	63.101	1.455	3.370	2.306	27.200
208	10.400	34.120	84.050	84.085	1.251	5.670	1.488	25.700
209	10.450	34.284	55.160	55.202	1.102	6.670	1.996	31.900
210	10.500	34.448	64.020	64.082	1.313	9.900	2.049	38.300
211	10.550	34.612	76.150	76.197	1.101	7.550	1.445	41.300
212	10.600	34.776	61.250	61.280	1.544	4.730	2.520	37.500
213	10.650	34.941	65.140	65.166	1.700	4.100	2.609	44.200
214	10.700	35.105	45.230	45.259	1.605	4.600	3.546	25.400
215	10.750	35.269	56.100	56.140	1.500	6.400	2.672	28.600
216	10.800	35.433	62.260	62.261	1.322	0.230	2.123	22.100
217	10.850	35.597	56.480	56.522	1.529	6.800	2.705	19.700
218	10.900	35.761	58.200	58.247	1.240	7.520	2.129	13.200
219	10.950	35.925	37.260	37.220	0.939	-6.460	2.523	24.500
220	11.000	36.089	17.440	17.494	0.694	8.640	3.967	19.000
221	11.050	36.253	25.180	25.181	0.489	0.190	1.942	38.200
222	11.100	36.417	35.370	35.382	0.648	1.900	1.831	43.200
223	11.150	36.581	73.670	73.689	0.674	3.010	0.915	48.600
224	11.200	36.745	118.830	118.858	0.989	4.540	0.832	81.400
225	11.250	36.909	133.720	133.750	1.372	4.800	1.026	58.000
226	11.300	37.073	106.920	106.956	1.800	5.710	1.683	69.200
227	11.350	37.237	77.750	77.784	1.765	5.380	2.269	64.400
228	11.400	37.401	78.630	78.667	1.616	5.930	2.054	72.500
229	11.450	37.565	47.030	47.107	1.232	12.260	2.615	71.100
230	11.500	37.729	34.060	34.141	1.246	13.030	3.650	70.700
231	11.550	37.893	37.600	37.751	0.929	24.220	2.461	85.600
232	11.600	38.057	59.930	60.142	1.149	33.980	1.910	66.700
233	11.650	38.221	67.700	67.864	1.235	26.340	1.820	45.300
234	11.700	38.385	59.120	59.244	1.613	19.800	2.723	41.400
235	11.750	38.549	94.550	94.667	2.179	18.690	2.302	31.100
236	11.800	38.713	108.400	108.474	2.668	11.840	2.460	26.700
237	11.850	38.877	107.760	107.848	3.219	14.070	2.985	30.200
238	11.900	39.042	147.130	147.183	4.636	8.410	3.150	24.000
239	11.950	39.206	149.170	149.170	4.058	-0.050	2.720	46.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	37.050	37.301	3.108	40.280	8.332	46.400
241	12.050	39.534	41.980	42.129	1.641	23.930	3.895	55.000
242	12.100	39.698	37.460	37.469	1.313	1.440	3.504	50.600
243	12.150	39.862	31.790	31.817	1.080	4.370	3.394	52.100
244	12.200	40.026	31.900	31.943	1.006	6.870	3.149	43.800
245	12.250	40.190	23.000	22.998	0.876	-0.260	3.809	52.700
246	12.300	40.354	18.610	18.609	0.797	-0.140	4.283	32.100
247	12.350	40.518	28.430	28.457	0.844	4.360	2.966	47.600
248	12.400	40.682	21.680	21.712	1.115	5.190	5.135	46.900
249	12.450	40.846	32.800	32.871	1.068	11.300	3.249	64.100
250	12.500	41.010	29.000	29.090	1.042	14.470	3.582	71.300
251	12.550	41.174	35.590	35.670	0.906	12.770	2.540	56.900
252	12.600	41.338	29.670	29.784	0.933	18.230	3.133	55.700
253	12.650	41.502	27.960	28.113	0.800	24.440	2.846	42.300
254	12.700	41.666	44.600	44.992	1.106	62.780	2.458	36.900
255	12.750	41.830	51.100	51.444	1.495	55.050	2.906	31.100
256	12.800	41.994	87.610	87.732	1.836	19.520	2.093	39.300
257	12.850	42.158	68.690	68.763	2.562	11.690	3.726	54.200
258	12.900	42.322	102.030	102.090	2.597	9.670	2.544	53.000
259	12.950	42.486	26.440	26.588	2.127	23.660	8.000	48.900
260	13.000	42.650	23.110	23.677	1.592	90.750	6.724	0.000
261	13.050	42.814	31.930	32.018	0.816	14.040	2.549	0.000
262	13.100	42.978	28.880	28.943	0.778	10.030	2.688	0.000
263	13.150	43.143	47.350	47.395	1.121	7.200	2.365	0.000
264	13.200	43.307	69.500	69.525	1.185	4.030	1.704	0.000
265	13.250	43.471	57.350	57.382	1.223	5.090	2.131	0.000
266	13.300	43.635	21.890	21.938	0.833	7.670	3.797	0.000
267	13.350	43.799	22.350	22.403	0.648	8.490	2.892	0.000
268	13.400	43.963	25.150	25.206	0.409	9.030	1.623	0.000
269	13.450	44.127	21.180	21.238	0.453	9.270	2.133	0.000
270	13.500	44.291	24.590	24.667	0.705	12.340	2.858	0.000
271	13.550	44.455	29.380	29.513	0.863	21.250	2.924	0.000
272	13.600	44.619	30.660	30.788	0.748	20.490	2.430	0.000
273	13.650	44.783	27.450	27.568	0.721	18.860	2.615	0.000
274	13.700	44.947	26.690	26.802	0.000	17.960	0.000	0.000
275	13.750	45.111	26.860	26.963	0.000	16.520	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221551
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-6-2
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-19-2013
CPT Time:	10:23
CPT File:	13-53075_GP6-2.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722118.539
Northing / Lat:	4294326.121
Elevation:	144.059
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	2.230	2.229	0.022	-0.220	0.987	36.800
2	0.100	0.328	9.980	9.980	0.039	0.010	0.391	50.300
3	0.150	0.492	21.950	21.950	0.226	-0.030	1.030	50.700
4	0.200	0.656	48.090	48.094	0.366	0.640	0.761	68.300
5	0.250	0.820	19.450	19.455	0.448	0.750	2.303	73.900
6	0.300	0.984	18.800	18.814	0.440	2.320	2.339	74.200
7	0.350	1.148	32.410	32.419	0.328	1.380	1.012	91.000
8	0.400	1.312	47.250	47.257	0.379	1.170	0.802	91.700
9	0.450	1.476	56.430	56.436	0.546	0.920	0.967	92.200
10	0.500	1.640	47.120	47.125	0.600	0.760	1.273	91.800
11	0.550	1.804	33.230	33.234	0.600	0.640	1.805	74.700
12	0.600	1.968	24.330	24.332	0.298	0.380	1.225	70.300
13	0.650	2.133	18.120	18.120	0.318	0.020	1.755	55.600
14	0.700	2.297	19.070	19.071	0.308	0.220	1.615	63.400
15	0.750	2.461	20.310	20.313	0.380	0.540	1.871	62.400
16	0.800	2.625	13.000	13.004	0.402	0.680	3.091	62.900
17	0.850	2.789	16.200	16.204	0.382	0.620	2.357	73.800
18	0.900	2.953	13.110	13.128	0.332	2.870	2.529	74.700
19	0.950	3.117	4.290	4.311	0.309	3.360	7.168	77.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	6.190	6.207	0.257	2.650	4.141	90.800
21	1.050	3.445	7.210	7.216	0.190	0.930	2.633	75.700
22	1.100	3.609	8.620	8.624	0.249	0.650	2.887	83.100
23	1.150	3.773	13.520	13.519	0.288	-0.110	2.130	80.900
24	1.200	3.937	15.780	15.766	0.428	-2.270	2.715	81.400
25	1.250	4.101	13.030	12.982	0.393	-7.740	3.027	74.100
26	1.300	4.265	17.640	17.613	0.510	-4.360	2.896	59.200
27	1.350	4.429	19.680	19.643	0.554	-5.960	2.820	45.300
28	1.400	4.593	19.360	19.329	0.515	-4.980	2.664	36.800
29	1.450	4.757	27.410	27.411	0.555	0.120	2.025	28.800
30	1.500	4.921	59.910	59.910	0.841	0.000	1.404	26.600
31	1.550	5.085	44.500	44.504	0.786	0.690	1.766	24.300
32	1.600	5.249	25.610	25.618	1.028	1.360	4.013	26.800
33	1.650	5.413	71.990	71.993	0.372	0.450	0.517	23.600
34	1.700	5.577	82.730	82.732	0.351	0.270	0.424	21.900
35	1.750	5.741	91.810	91.811	0.341	0.230	0.371	19.500
36	1.800	5.905	123.520	123.523	0.380	0.560	0.308	22.700
37	1.850	6.069	154.150	154.154	0.506	0.580	0.328	15.200
38	1.900	6.234	221.650	221.652	0.381	0.360	0.172	17.600
39	1.950	6.398	225.920	225.927	0.469	1.160	0.208	19.200
40	2.000	6.562	229.940	229.942	0.625	0.270	0.272	18.800
41	2.050	6.726	171.560	171.566	0.268	1.020	0.156	26.100
42	2.100	6.890	169.460	169.461	0.319	0.240	0.188	33.200
43	2.150	7.054	213.280	213.282	0.021	0.330	0.010	37.700
44	2.200	7.218	155.200	155.206	0.021	1.030	0.014	50.300
45	2.250	7.382	143.750	143.756	0.022	1.000	0.015	68.100
46	2.300	7.546	123.970	123.985	0.022	2.430	0.018	69.000
47	2.350	7.710	115.050	115.009	0.019	-6.580	0.017	72.400
48	2.400	7.874	105.590	105.588	0.020	-0.370	0.019	72.300
49	2.450	8.038	129.570	129.578	0.021	1.220	0.016	72.100
50	2.500	8.202	130.250	130.253	0.019	0.490	0.015	63.400
51	2.550	8.366	95.020	95.019	0.020	-0.110	0.021	57.300
52	2.600	8.530	96.210	96.214	0.019	0.700	0.020	41.900
53	2.650	8.694	109.600	109.601	0.020	0.150	0.018	30.200
54	2.700	8.858	134.370	134.371	0.895	0.220	0.666	24.000
55	2.750	9.022	186.810	186.807	0.787	-0.500	0.421	23.400
56	2.800	9.186	164.270	164.266	0.567	-0.580	0.345	21.300
57	2.850	9.350	162.780	162.780	0.018	0.060	0.011	14.900
58	2.900	9.514	155.220	155.222	0.018	0.340	0.012	17.000
59	2.950	9.678	172.790	172.805	0.017	2.400	0.010	17.600
60	3.000	9.842	147.780	147.778	0.017	-0.390	0.012	20.100
61	3.050	10.006	106.310	106.319	0.193	1.470	0.182	21.900
62	3.100	10.170	114.040	114.039	0.015	-0.150	0.013	21.900
63	3.150	10.335	100.770	100.768	0.017	-0.250	0.017	28.300
64	3.200	10.499	70.410	70.410	0.017	0.040	0.024	25.400
65	3.250	10.663	56.650	56.647	0.347	-0.540	0.613	32.400
66	3.300	10.827	102.090	102.092	0.521	0.380	0.510	29.900
67	3.350	10.991	81.770	81.769	0.596	-0.240	0.729	35.600
68	3.400	11.155	59.370	59.370	0.837	0.020	1.410	34.300
69	3.450	11.319	59.290	59.290	0.737	0.070	1.243	32.200
70	3.500	11.483	122.700	122.699	1.348	-0.090	1.099	37.100
71	3.550	11.647	203.480	203.483	1.547	0.460	0.760	39.600
72	3.600	11.811	232.320	232.321	0.214	0.140	0.092	42.900
73	3.650	11.975	414.800	414.800	1.380	-0.040	0.333	48.700
74	3.700	12.139	261.980	261.980	1.739	0.020	0.664	53.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	343.780	343.778	1.402	-0.320	0.408	60.400
76	3.800	12.467	229.960	229.967	1.223	1.190	0.532	80.400
77	3.850	12.631	211.870	211.882	0.509	1.920	0.240	73.800
78	3.900	12.795	188.820	188.833	0.448	2.120	0.237	81.800
79	3.950	12.959	166.430	166.441	0.561	1.740	0.337	87.000
80	4.000	13.123	147.400	147.418	0.560	2.820	0.380	90.800
81	4.050	13.287	129.710	129.725	0.753	2.440	0.580	104.300
82	4.100	13.451	119.840	119.832	0.810	-1.340	0.676	85.300
83	4.150	13.615	113.550	113.545	0.802	-0.810	0.706	88.500
84	4.200	13.779	106.220	106.214	0.912	-0.920	0.859	94.600
85	4.250	13.943	112.900	112.893	1.173	-1.130	1.039	88.200
86	4.300	14.107	109.990	109.987	1.067	-0.410	0.970	93.100
87	4.350	14.271	103.570	103.567	0.873	-0.430	0.843	76.100
88	4.400	14.436	108.370	108.367	0.813	-0.520	0.750	82.700
89	4.450	14.600	110.270	110.267	0.925	-0.460	0.839	68.000
90	4.500	14.764	118.600	118.596	1.385	-0.610	1.168	68.200
91	4.550	14.928	124.010	124.006	1.727	-0.630	1.393	65.100
92	4.600	15.092	122.240	122.237	1.871	-0.500	1.531	65.000
93	4.650	15.256	145.770	145.767	0.693	-0.520	0.475	71.200
94	4.700	15.420	146.310	146.308	1.459	-0.320	0.997	84.600
95	4.750	15.584	155.760	155.758	1.077	-0.360	0.691	95.600
96	4.800	15.748	191.250	191.251	1.486	0.180	0.777	89.200
97	4.850	15.912	194.540	194.541	1.490	0.230	0.766	79.000
98	4.900	16.076	210.440	210.443	1.522	0.460	0.723	57.600
99	4.950	16.240	229.470	229.472	0.474	0.390	0.207	42.700
100	5.000	16.404	204.220	204.221	0.060	0.220	0.029	36.200
101	5.050	16.568	239.360	239.362	0.559	0.290	0.234	32.900
102	5.100	16.732	260.860	260.861	0.915	0.240	0.351	25.500
103	5.150	16.896	187.850	187.851	0.769	0.120	0.409	25.700
104	5.200	17.060	142.470	142.475	0.016	0.770	0.011	24.000
105	5.250	17.224	121.390	121.400	0.115	1.680	0.095	20.800
106	5.300	17.388	131.060	131.068	1.228	1.270	0.937	22.000
107	5.350	17.552	215.550	215.556	0.099	1.020	0.046	31.100
108	5.400	17.716	166.960	166.964	0.015	0.650	0.009	29.200
109	5.450	17.880	90.300	90.302	0.026	0.330	0.029	41.200
110	5.500	18.044	89.960	89.961	0.026	0.160	0.029	46.400
111	5.550	18.208	121.410	121.416	0.014	0.920	0.012	58.400
112	5.600	18.372	112.080	112.081	0.014	0.200	0.012	57.900
113	5.650	18.537	81.120	81.127	0.014	1.200	0.017	69.300
114	5.700	18.701	89.640	89.629	0.012	-1.780	0.013	65.800
115	5.750	18.865	73.270	73.213	0.010	-9.060	0.014	64.700
116	5.800	19.029	80.580	80.523	0.012	-9.120	0.015	62.700
117	5.850	19.193	91.870	91.787	0.013	-13.350	0.014	59.300
118	5.900	19.357	89.170	89.078	0.014	-14.790	0.016	68.900
119	5.950	19.521	82.910	82.849	0.012	-9.720	0.014	76.600
120	6.000	19.685	80.720	80.666	0.012	-8.610	0.015	74.100
121	6.050	19.849	75.010	74.962	0.014	-7.610	0.019	75.700
122	6.100	20.013	70.450	70.404	0.176	-7.290	0.250	65.200
123	6.150	20.177	64.500	64.445	0.552	-8.840	0.857	63.300
124	6.200	20.341	107.420	107.389	0.540	-4.900	0.503	64.100
125	6.250	20.505	190.060	190.055	0.104	-0.770	0.055	56.900
126	6.300	20.669	198.410	198.407	0.013	-0.560	0.007	39.500
127	6.350	20.833	136.600	136.600	0.014	-0.060	0.010	32.000
128	6.400	20.997	91.030	91.028	0.015	-0.280	0.016	34.900
129	6.450	21.161	85.600	85.599	0.015	-0.180	0.018	24.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	96.970	96.971	0.014	0.150	0.014	23.400
131	6.550	21.489	94.040	94.041	0.018	0.230	0.019	23.500
132	6.600	21.653	92.040	92.028	0.015	-1.910	0.016	24.500
133	6.650	21.817	87.730	87.712	0.019	-2.890	0.022	23.100
134	6.700	21.981	78.210	78.208	0.017	-0.330	0.022	24.700
135	6.750	22.145	62.120	62.120	0.020	0.060	0.032	23.700
136	6.800	22.309	61.380	61.380	0.019	0.020	0.031	23.600
137	6.850	22.473	69.340	69.341	0.024	0.090	0.035	26.400
138	6.900	22.638	72.840	72.840	0.059	0.040	0.081	30.100
139	6.950	22.802	102.440	102.430	0.023	-1.610	0.022	41.100
140	7.000	22.966	124.090	124.081	0.018	-1.460	0.015	53.200
141	7.050	23.130	130.370	130.366	0.019	-0.590	0.015	63.400
142	7.100	23.294	114.880	114.881	0.017	0.150	0.015	99.300
143	7.150	23.458	110.250	110.258	0.024	1.320	0.022	103.700
144	7.200	23.622	101.870	101.832	0.148	-6.070	0.145	86.400
145	7.250	23.786	112.460	112.413	0.222	-7.540	0.197	67.400
146	7.300	23.950	110.330	110.301	0.057	-4.640	0.052	45.500
147	7.350	24.114	122.770	122.762	0.017	-1.260	0.014	41.800
148	7.400	24.278	108.120	108.117	0.017	-0.420	0.016	33.000
149	7.450	24.442	98.710	98.703	0.241	-1.060	0.244	25.100
150	7.500	24.606	82.200	82.205	0.047	0.840	0.057	23.400
151	7.550	24.770	104.490	104.487	0.160	-0.410	0.153	26.700
152	7.600	24.934	110.220	110.219	0.284	-0.110	0.258	24.200
153	7.650	25.098	131.280	131.284	0.712	0.650	0.542	25.400
154	7.700	25.262	118.870	118.874	1.018	0.710	0.856	27.800
155	7.750	25.426	108.720	108.724	0.292	0.600	0.269	21.600
156	7.800	25.590	90.550	90.555	0.028	0.810	0.031	34.400
157	7.850	25.754	98.010	98.015	0.017	0.770	0.017	47.700
158	7.900	25.918	93.650	93.655	0.019	0.780	0.020	41.200
159	7.950	26.082	91.650	91.655	0.029	0.780	0.032	40.400
160	8.000	26.246	109.350	109.356	0.060	0.970	0.055	35.300
161	8.050	26.410	109.060	109.067	0.139	1.090	0.127	34.600
162	8.100	26.574	93.940	93.948	0.425	1.330	0.452	40.000
163	8.150	26.739	113.340	113.350	0.277	1.570	0.244	43.800
164	8.200	26.903	131.780	131.784	0.154	0.710	0.117	49.000
165	8.250	27.067	107.050	107.054	0.077	0.640	0.072	49.200
166	8.300	27.231	107.670	107.679	0.144	1.370	0.134	49.600
167	8.350	27.395	116.970	116.972	0.017	0.360	0.015	45.000
168	8.400	27.559	109.830	109.818	0.019	-2.000	0.017	47.200
169	8.450	27.723	94.370	94.374	0.017	0.570	0.018	42.200
170	8.500	27.887	99.140	99.155	0.020	2.350	0.020	42.200
171	8.550	28.051	96.150	96.162	0.054	1.970	0.056	31.500
172	8.600	28.215	109.810	109.802	0.250	-1.360	0.228	35.500
173	8.650	28.379	104.410	104.408	0.718	-0.300	0.688	27.800
174	8.700	28.543	83.860	83.862	0.748	0.380	0.892	39.600
175	8.750	28.707	71.510	71.519	0.654	1.380	0.914	34.800
176	8.800	28.871	53.890	53.907	0.309	2.650	0.573	51.100
177	8.850	29.035	55.290	55.295	0.232	0.790	0.420	62.800
178	8.900	29.199	64.510	64.511	0.338	0.090	0.524	57.000
179	8.950	29.363	58.790	58.797	0.418	1.050	0.711	62.600
180	9.000	29.527	61.130	61.125	0.182	-0.860	0.298	61.400
181	9.050	29.691	65.670	65.648	0.334	-3.580	0.509	66.900
182	9.100	29.855	66.150	66.159	0.245	1.370	0.370	55.900
183	9.150	30.019	59.690	59.700	0.430	1.610	0.720	59.900
184	9.200	30.183	66.040	66.048	0.623	1.340	0.943	54.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	82.800	82.815	0.719	2.420	0.868	59.000
186	9.300	30.511	99.470	99.469	0.657	-0.160	0.661	55.600
187	9.350	30.675	114.420	114.418	0.931	-0.320	0.814	56.300
188	9.400	30.840	138.340	138.340	0.928	0.070	0.671	64.900
189	9.450	31.004	145.510	145.510	0.678	-0.010	0.466	61.500
190	9.500	31.168	152.390	152.380	0.415	-1.560	0.272	63.800
191	9.550	31.332	155.070	155.095	0.014	3.970	0.009	62.700
192	9.600	31.496	130.070	130.093	0.015	3.720	0.012	70.200
193	9.650	31.660	121.450	121.450	0.026	0.030	0.021	71.900
194	9.700	31.824	89.020	89.024	0.017	0.690	0.019	64.800
195	9.750	31.988	77.730	77.738	0.240	1.330	0.309	67.600
196	9.800	32.152	77.620	77.631	0.721	1.770	0.929	57.800
197	9.850	32.316	69.060	69.114	1.022	8.690	1.479	57.800
198	9.900	32.480	68.230	68.264	1.101	5.370	1.613	42.100
199	9.950	32.644	107.100	107.181	0.921	12.970	0.859	42.700
200	10.000	32.808	90.980	91.038	0.602	9.350	0.661	38.500
201	10.050	32.972	75.490	75.548	0.462	9.230	0.612	41.900
202	10.100	33.136	82.200	82.259	0.614	9.520	0.746	44.500
203	10.150	33.300	85.950	85.992	0.718	6.700	0.835	43.800
204	10.200	33.464	84.930	84.955	0.571	4.070	0.672	45.000
205	10.250	33.628	83.660	83.682	0.345	3.560	0.412	45.600
206	10.300	33.792	91.240	91.271	0.123	4.970	0.135	47.600
207	10.350	33.956	95.720	95.750	0.528	4.740	0.551	48.500
208	10.400	34.120	105.820	105.834	0.954	2.260	0.901	47.400
209	10.450	34.284	119.160	119.169	0.185	1.410	0.155	54.600
210	10.500	34.448	122.770	122.778	0.466	1.280	0.380	54.400
211	10.550	34.612	112.960	112.970	1.091	1.680	0.966	50.600
212	10.600	34.776	103.940	103.951	1.794	1.800	1.726	46.500
213	10.650	34.941	123.050	123.063	1.770	2.110	1.438	47.100
214	10.700	35.105	158.460	158.471	1.561	1.720	0.985	47.800
215	10.750	35.269	247.030	247.039	1.403	1.410	0.568	48.000
216	10.800	35.433	340.930	340.938	0.014	1.280	0.004	48.900
217	10.850	35.597	290.460	290.470	0.014	1.680	0.005	46.500
218	10.900	35.761	242.780	242.788	0.016	1.350	0.007	51.200
219	10.950	35.925	210.870	210.880	0.015	1.660	0.007	51.700
220	11.000	36.089	184.790	184.797	0.042	1.170	0.023	45.500
221	11.050	36.253	178.930	178.937	0.199	1.050	0.111	42.100
222	11.100	36.417	131.010	131.015	0.310	0.850	0.237	39.800
223	11.150	36.581	99.190	99.195	0.066	0.780	0.067	38.400
224	11.200	36.745	83.200	83.205	0.269	0.740	0.323	40.500
225	11.250	36.909	83.820	83.825	1.102	0.820	1.315	39.900
226	11.300	37.073	104.500	104.506	1.287	0.890	1.232	50.000
227	11.350	37.237	143.860	143.865	0.013	0.750	0.009	50.400
228	11.400	37.401	179.380	179.388	0.014	1.350	0.008	55.600
229	11.450	37.565	85.200	85.205	0.013	0.760	0.015	54.300
230	11.500	37.729	72.280	72.287	0.014	1.050	0.019	52.600
231	11.550	37.893	77.250	77.297	0.194	7.590	0.251	35.600
232	11.600	38.057	64.340	64.372	0.347	5.050	0.539	40.500
233	11.650	38.221	65.490	65.511	0.375	3.380	0.572	23.400
234	11.700	38.385	148.840	148.860	0.316	3.240	0.212	28.000
235	11.750	38.549	145.600	145.619	0.688	3.070	0.472	23.400
236	11.800	38.713	99.020	99.038	0.657	2.870	0.663	25.800
237	11.850	38.877	113.660	113.676	0.506	2.550	0.445	24.700
238	11.900	39.042	134.270	134.284	0.248	2.310	0.185	37.900
239	11.950	39.206	134.970	134.984	0.215	2.260	0.159	41.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	116.060	116.074	0.098	2.230	0.084	59.400
241	12.050	39.534	111.800	111.813	0.206	2.070	0.184	67.500
242	12.100	39.698	114.830	114.842	0.330	1.910	0.287	70.000
243	12.150	39.862	114.620	114.630	0.609	1.620	0.531	72.300
244	12.200	40.026	115.740	115.750	0.666	1.600	0.575	79.800
245	12.250	40.190	118.560	118.568	0.716	1.330	0.604	67.500
246	12.300	40.354	125.740	125.748	0.905	1.210	0.720	68.400
247	12.350	40.518	135.350	135.357	0.973	1.120	0.719	68.600
248	12.400	40.682	139.330	139.336	0.830	1.000	0.596	64.900
249	12.450	40.846	139.660	139.667	0.849	1.070	0.608	78.200
250	12.500	41.010	144.640	144.647	0.811	1.090	0.561	68.000
251	12.550	41.174	148.260	148.268	0.623	1.210	0.420	66.900
252	12.600	41.338	156.390	156.396	0.706	0.960	0.451	76.900
253	12.650	41.502	162.420	162.425	0.890	0.820	0.548	67.700
254	12.700	41.666	164.550	164.555	1.245	0.780	0.757	73.000
255	12.750	41.830	150.920	150.928	1.290	1.350	0.855	71.800
256	12.800	41.994	138.090	138.098	0.836	1.230	0.605	63.200
257	12.850	42.158	130.180	130.186	0.227	0.980	0.174	63.700
258	12.900	42.322	132.940	132.947	0.180	1.060	0.135	50.500
259	12.950	42.486	127.510	127.518	0.441	1.350	0.346	38.700
260	13.000	42.650	122.130	122.143	0.592	2.120	0.485	28.300
261	13.050	42.814	127.570	127.587	1.262	2.650	0.989	19.000
262	13.100	42.978	115.280	115.300	1.026	3.220	0.890	21.200
263	13.150	43.143	127.700	127.725	1.671	3.960	1.308	23.800
264	13.200	43.307	142.470	142.477	2.406	1.200	1.689	24.400
265	13.250	43.471	162.180	162.200	2.415	3.190	1.489	30.600
266	13.300	43.635	204.440	204.465	1.867	4.070	0.913	43.800
267	13.350	43.799	176.800	176.827	1.595	4.260	0.902	56.000
268	13.400	43.963	167.280	167.306	1.525	4.160	0.912	50.600
269	13.450	44.127	128.940	128.965	0.413	4.060	0.320	51.900
270	13.500	44.291	131.370	131.397	0.239	4.370	0.182	42.700
271	13.550	44.455	128.480	128.510	0.670	4.750	0.521	30.100
272	13.600	44.619	170.130	170.159	1.964	4.640	1.154	17.900
273	13.650	44.783	177.390	177.420	1.990	4.740	1.122	19.900
274	13.700	44.947	178.050	178.079	1.927	4.630	1.082	22.700
275	13.750	45.111	196.330	196.358	1.675	4.530	0.853	19.900
276	13.800	45.275	207.760	207.790	1.556	4.740	0.749	20.900
277	13.850	45.439	192.630	192.658	1.402	4.520	0.728	25.000
278	13.900	45.603	192.470	192.500	0.551	4.790	0.286	22.800
279	13.950	45.767	182.450	182.480	0.507	4.760	0.278	23.800
280	14.000	45.931	176.800	176.825	0.779	4.000	0.441	22.000
281	14.050	46.095	182.060	182.082	0.856	3.550	0.470	22.700
282	14.100	46.259	169.150	169.175	1.083	4.050	0.640	0.000
283	14.150	46.423	158.810	158.832	0.794	3.480	0.500	0.000
284	14.200	46.587	171.000	171.023	0.251	3.640	0.147	0.000
285	14.250	46.751	163.570	163.593	0.014	3.680	0.009	0.000
286	14.300	46.915	166.780	166.804	0.143	3.770	0.086	0.000
287	14.350	47.079	161.600	161.623	0.197	3.670	0.122	0.000
288	14.400	47.244	138.700	138.712	0.844	1.980	0.608	0.000
289	14.450	47.408	132.470	132.483	0.851	2.100	0.642	0.000
290	14.500	47.572	100.530	100.558	1.168	4.460	1.162	0.000
291	14.550	47.736	86.560	86.588	1.129	4.430	1.304	0.000
292	14.600	47.900	127.000	127.026	1.147	4.140	0.903	0.000
293	14.650	48.064	170.310	170.330	1.167	3.270	0.685	0.000
294	14.700	48.228	200.800	200.821	1.538	3.420	0.766	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	222.970	222.993	1.931	3.680	0.866	0.000
296	14.800	48.556	253.800	253.824	0.020	3.870	0.008	0.000
297	14.850	48.720	316.940	316.964	0.020	3.830	0.006	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221553
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-6-3
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-19-2013
CPT Time:	13:16
CPT File:	13-53075_GP6-3.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722114.339
Northing / Lat:	4294303.925
Elevation:	144.377
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	12.830	12.830	0.098	0.040	0.764	27.100
2	0.100	0.328	69.470	69.470	0.268	0.030	0.386	37.500
3	0.150	0.492	54.500	54.502	0.390	0.290	0.716	47.700
4	0.200	0.656	46.970	46.971	0.483	0.130	1.028	52.800
5	0.250	0.820	49.690	49.690	0.529	-0.010	1.065	60.600
6	0.300	0.984	23.740	23.759	0.726	3.030	3.056	86.900
7	0.350	1.148	21.320	21.328	0.793	1.320	3.718	84.500
8	0.400	1.312	48.230	48.240	0.700	1.660	1.451	75.300
9	0.450	1.476	93.620	93.622	0.989	0.290	1.056	99.700
10	0.500	1.640	112.680	112.694	1.263	2.310	1.121	80.100
11	0.550	1.804	121.600	121.598	1.453	-0.290	1.195	89.600
12	0.600	1.968	125.390	125.385	1.652	-0.770	1.318	97.300
13	0.650	2.133	118.420	118.413	1.825	-1.110	1.541	97.300
14	0.700	2.297	98.000	97.988	1.638	-1.910	1.672	90.400
15	0.750	2.461	76.200	76.184	1.176	-2.500	1.544	84.900
16	0.800	2.625	66.750	66.742	1.013	-1.350	1.518	71.400
17	0.850	2.789	51.960	51.960	1.138	-0.070	2.190	63.700
18	0.900	2.953	32.450	32.454	1.109	0.610	3.417	49.000
19	0.950	3.117	29.500	29.497	1.107	-0.430	3.753	41.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	24.920	24.925	0.981	0.810	3.936	29.500
21	1.050	3.445	34.060	34.066	1.214	0.990	3.564	20.900
22	1.100	3.609	55.680	55.671	1.086	-1.410	1.951	21.500
23	1.150	3.773	53.680	53.657	1.549	-3.620	2.887	19.300
24	1.200	3.937	66.390	66.376	1.711	-2.250	2.578	15.900
25	1.250	4.101	32.790	32.785	1.485	-0.810	4.530	18.300
26	1.300	4.265	18.000	18.000	0.860	0.080	4.778	13.700
27	1.350	4.429	30.340	30.339	0.936	-0.210	3.085	19.200
28	1.400	4.593	31.460	31.488	0.969	4.480	3.077	17.700
29	1.450	4.757	23.070	23.072	0.847	0.270	3.671	19.100
30	1.500	4.921	10.640	10.648	0.698	1.300	6.555	15.900
31	1.550	5.085	9.960	9.953	0.406	-1.160	4.079	28.800
32	1.600	5.249	6.960	6.959	0.298	-0.100	4.282	28.400
33	1.650	5.413	15.950	15.949	0.369	-0.200	2.314	25.300
34	1.700	5.577	17.410	17.412	0.352	0.270	2.022	39.800
35	1.750	5.741	28.310	28.340	0.390	4.840	1.376	45.300
36	1.800	5.905	36.370	36.332	0.441	-6.020	1.214	59.800
37	1.850	6.069	38.270	38.229	0.423	-6.610	1.106	69.800
38	1.900	6.234	12.280	12.238	0.357	-6.790	2.917	82.100
39	1.950	6.398	21.780	21.735	0.177	-7.220	0.814	89.400
40	2.000	6.562	8.960	8.966	0.219	0.960	2.443	81.700
41	2.050	6.726	8.460	8.464	0.178	0.580	2.103	81.000
42	2.100	6.890	8.770	8.773	0.196	0.450	2.234	70.300
43	2.150	7.054	32.650	32.647	0.519	-0.460	1.590	71.500
44	2.200	7.218	22.360	22.376	0.721	2.580	3.222	69.600
45	2.250	7.382	27.760	27.769	0.875	1.380	3.151	80.300
46	2.300	7.546	24.200	24.197	0.804	-0.450	3.323	89.900
47	2.350	7.710	25.690	25.674	0.632	-2.630	2.462	82.700
48	2.400	7.874	26.860	26.782	0.399	-12.520	1.490	85.100
49	2.450	8.038	16.250	16.253	0.156	0.420	0.960	72.200
50	2.500	8.202	9.480	9.482	0.128	0.260	1.350	59.200
51	2.550	8.366	7.020	7.023	0.066	0.470	0.940	44.700
52	2.600	8.530	13.720	13.706	0.194	-2.310	1.415	37.100
53	2.650	8.694	14.050	14.042	0.148	-1.260	1.054	38.600
54	2.700	8.858	13.200	13.197	0.127	-0.440	0.962	22.100
55	2.750	9.022	17.670	17.666	0.162	-0.680	0.917	25.400
56	2.800	9.186	23.710	23.711	0.203	0.130	0.856	23.300
57	2.850	9.350	14.930	14.937	0.179	1.140	1.198	33.100
58	2.900	9.514	12.690	12.699	0.154	1.410	1.213	33.400
59	2.950	9.678	8.060	8.073	0.094	2.070	1.164	45.100
60	3.000	9.842	3.710	3.729	0.095	3.020	2.548	63.000
61	3.050	10.006	6.190	6.215	0.110	4.040	1.770	73.900
62	3.100	10.170	7.570	7.550	0.168	-3.190	2.225	71.200
63	3.150	10.335	7.890	7.838	0.189	-8.290	2.411	67.100
64	3.200	10.499	7.580	7.543	0.201	-5.890	2.665	60.600
65	3.250	10.663	10.200	10.187	0.187	-2.150	1.836	56.900
66	3.300	10.827	11.170	11.152	0.214	-2.920	1.919	46.000
67	3.350	10.991	7.310	7.308	0.269	-0.300	3.681	39.200
68	3.400	11.155	13.100	13.101	0.508	0.220	3.877	31.400
69	3.450	11.319	36.070	36.071	0.756	0.120	2.096	22.400
70	3.500	11.483	42.550	42.536	0.837	-2.280	1.968	18.100
71	3.550	11.647	46.030	46.033	1.215	0.460	2.639	21.400
72	3.600	11.811	69.890	69.905	1.619	2.410	2.316	13.600
73	3.650	11.975	91.920	91.885	2.551	-5.530	2.776	10.300
74	3.700	12.139	93.140	93.128	3.123	-1.930	3.353	18.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	90.670	90.605	2.971	-10.430	3.279	19.200
76	3.800	12.467	83.400	83.305	2.135	-15.250	2.563	30.100
77	3.850	12.631	55.950	55.847	1.582	-16.450	2.833	34.700
78	3.900	12.795	51.790	51.788	1.400	-0.330	2.703	59.400
79	3.950	12.959	62.840	62.850	0.575	1.590	0.915	62.800
80	4.000	13.123	56.580	56.514	0.474	-10.520	0.839	68.300
81	4.050	13.287	5.970	5.969	0.208	-0.180	3.485	68.700
82	4.100	13.451	5.510	5.506	0.288	-0.670	5.231	68.300
83	4.150	13.615	4.640	4.620	0.252	-3.150	5.454	51.400
84	4.200	13.779	9.130	9.114	0.155	-2.620	1.701	43.500
85	4.250	13.943	10.040	10.038	0.166	-0.320	1.654	40.300
86	4.300	14.107	15.730	15.725	0.144	-0.830	0.916	30.800
87	4.350	14.271	23.160	23.155	0.325	-0.820	1.404	30.700
88	4.400	14.436	24.870	24.865	0.267	-0.760	1.074	32.200
89	4.450	14.600	11.160	11.158	0.584	-0.390	5.234	29.200
90	4.500	14.764	32.150	32.149	0.462	-0.170	1.437	19.900
91	4.550	14.928	17.070	17.069	0.568	-0.150	3.328	22.200
92	4.600	15.092	6.400	6.398	0.340	-0.390	5.315	16.400
93	4.650	15.256	4.310	4.307	0.169	-0.530	3.924	30.000
94	4.700	15.420	5.240	5.242	0.125	0.350	2.385	25.100
95	4.750	15.584	28.480	28.484	0.466	0.620	1.636	32.700
96	4.800	15.748	27.590	27.591	0.551	0.090	1.997	44.400
97	4.850	15.912	13.510	13.511	0.405	0.100	2.998	55.100
98	4.900	16.076	8.500	8.519	0.322	3.100	3.780	66.300
99	4.950	16.240	11.280	11.297	0.325	2.790	2.877	80.500
100	5.000	16.404	22.730	22.725	0.423	-0.770	1.861	67.900
101	5.050	16.568	39.210	39.193	0.624	-2.690	1.592	77.600
102	5.100	16.732	50.040	50.007	0.863	-5.340	1.726	76.600
103	5.150	16.896	48.440	48.405	0.975	-5.560	2.014	79.000
104	5.200	17.060	42.720	42.682	1.019	-6.120	2.387	77.300
105	5.250	17.224	38.990	38.924	0.821	-10.540	2.109	74.500
106	5.300	17.388	30.380	30.311	0.606	-11.010	1.999	78.100
107	5.350	17.552	26.790	26.724	0.568	-10.560	2.125	65.900
108	5.400	17.716	25.340	25.279	0.596	-9.850	2.358	72.300
109	5.450	17.880	26.200	26.141	0.668	-9.410	2.555	76.400
110	5.500	18.044	26.260	26.204	1.038	-9.020	3.961	66.100
111	5.550	18.208	36.760	36.693	1.163	-10.810	3.170	65.400
112	5.600	18.372	29.970	29.898	1.067	-11.570	3.569	69.600
113	5.650	18.537	27.690	27.618	1.169	-11.470	4.233	58.800
114	5.700	18.701	43.710	43.637	1.463	-11.740	3.353	61.700
115	5.750	18.865	55.620	55.511	1.607	-17.400	2.895	60.900
116	5.800	19.029	49.290	49.171	1.759	-19.030	3.577	57.400
117	5.850	19.193	43.010	42.895	1.683	-18.480	3.924	73.400
118	5.900	19.357	43.180	43.066	1.774	-18.280	4.119	77.500
119	5.950	19.521	44.070	43.964	1.496	-17.020	3.403	72.700
120	6.000	19.685	72.000	71.900	1.416	-15.960	1.969	82.800
121	6.050	19.849	50.630	50.530	1.263	-16.000	2.499	69.200
122	6.100	20.013	33.730	33.643	1.254	-13.960	3.727	84.500
123	6.150	20.177	29.730	29.651	1.195	-12.620	4.030	78.700
124	6.200	20.341	25.840	25.815	0.825	-4.070	3.196	93.300
125	6.250	20.505	29.690	29.652	0.596	-6.050	2.010	94.800
126	6.300	20.669	30.860	30.864	0.607	0.680	1.967	130.200
127	6.350	20.833	27.900	27.906	0.730	0.960	2.616	129.300
128	6.400	20.997	20.150	20.159	0.593	1.450	2.942	147.600
129	6.450	21.161	11.830	11.836	0.214	1.040	1.808	134.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	30.180	30.188	0.206	1.330	0.682	160.900
131	6.550	21.489	10.640	10.657	0.309	2.760	2.899	160.100
132	6.600	21.653	18.460	18.478	0.515	2.910	2.787	141.800
133	6.650	21.817	29.250	29.277	0.778	4.250	2.657	138.700
134	6.700	21.981	32.880	32.861	0.912	-3.040	2.775	122.300
135	6.750	22.145	29.010	28.989	0.865	-3.400	2.984	114.900
136	6.800	22.309	22.470	22.430	0.761	-6.480	3.393	104.800
137	6.850	22.473	16.760	16.672	0.611	-14.030	3.665	99.300
138	6.900	22.638	14.930	14.843	0.485	-13.980	3.268	95.500
139	6.950	22.802	11.850	11.764	0.463	-13.780	3.936	101.100
140	7.000	22.966	10.630	10.550	0.493	-12.750	4.673	85.400
141	7.050	23.130	17.310	17.232	0.485	-12.480	2.815	67.200
142	7.100	23.294	35.880	35.899	0.784	2.990	2.184	67.800
143	7.150	23.458	38.110	38.131	0.920	3.410	2.413	63.900
144	7.200	23.622	27.900	27.925	0.931	3.960	3.334	59.500
145	7.250	23.786	17.520	17.548	0.906	4.500	5.163	57.700
146	7.300	23.950	16.380	16.400	0.818	3.270	4.988	56.400
147	7.350	24.114	18.050	18.072	0.843	3.470	4.665	64.900
148	7.400	24.278	32.240	32.268	0.735	4.440	2.278	65.800
149	7.450	24.442	41.110	41.124	0.534	2.210	1.299	83.900
150	7.500	24.606	32.710	32.713	0.683	0.460	2.088	81.300
151	7.550	24.770	21.490	21.523	0.725	5.330	3.368	88.700
152	7.600	24.934	22.160	22.183	0.757	3.660	3.413	78.600
153	7.650	25.098	17.420	17.463	0.796	6.920	4.558	88.000
154	7.700	25.262	21.790	21.848	0.824	9.240	3.772	64.600
155	7.750	25.426	21.750	21.769	0.923	3.000	4.240	77.000
156	7.800	25.590	22.760	22.737	1.125	-3.650	4.948	81.700
157	7.850	25.754	27.910	27.881	1.856	-4.640	6.657	74.400
158	7.900	25.918	41.810	41.775	2.256	-5.600	5.400	67.800
159	7.950	26.082	33.570	33.514	1.997	-9.020	5.959	65.600
160	8.000	26.246	24.950	24.890	1.101	-9.650	4.424	68.600
161	8.050	26.410	43.500	43.506	0.931	0.900	2.140	66.300
162	8.100	26.574	46.640	46.657	0.730	2.770	1.565	71.300
163	8.150	26.739	27.360	27.377	0.600	2.770	2.192	78.500
164	8.200	26.903	39.490	39.508	0.700	2.920	1.772	136.000
165	8.250	27.067	36.610	36.628	0.778	2.820	2.124	182.600
166	8.300	27.231	18.020	18.044	0.951	3.910	5.270	256.600
167	8.350	27.395	19.490	19.521	0.705	5.040	3.611	417.000
168	8.400	27.559	16.660	16.703	0.619	6.830	3.706	760.700
169	8.450	27.723	12.350	12.395	0.459	7.240	3.703	1312.200
170	8.500	27.887	10.210	10.170	0.445	-6.450	4.376	1720.300
171	8.550	28.051	14.540	14.520	0.447	-3.190	3.078	1366.600
172	8.600	28.215	16.890	16.870	0.389	-3.210	2.306	813.700
173	8.650	28.379	12.890	12.865	0.507	-3.940	3.941	541.400
174	8.700	28.543	10.620	10.636	0.373	2.610	3.507	395.600
175	8.750	28.707	10.620	10.634	0.520	2.170	4.890	275.100
176	8.800	28.871	34.950	34.966	0.989	2.550	2.828	207.400
177	8.850	29.035	39.720	39.736	1.470	2.540	3.699	146.400
178	8.900	29.199	39.070	39.100	1.452	4.830	3.714	115.300
179	8.950	29.363	20.430	20.467	1.185	5.950	5.790	105.000
180	9.000	29.527	24.760	24.782	0.943	3.580	3.805	85.800
181	9.050	29.691	24.950	24.964	0.483	2.190	1.935	73.600
182	9.100	29.855	50.300	50.315	0.661	2.450	1.314	73.000
183	9.150	30.019	76.230	76.251	0.615	3.300	0.807	58.600
184	9.200	30.183	45.090	45.119	0.492	4.620	1.090	55.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	39.060	39.084	0.407	3.860	1.041	54.500
186	9.300	30.511	47.100	47.122	0.350	3.480	0.743	38.700
187	9.350	30.675	37.470	37.490	0.241	3.170	0.643	35.200
188	9.400	30.840	38.800	38.820	0.433	3.260	1.115	35.200
189	9.450	31.004	11.840	11.865	0.348	3.970	2.933	31.800
190	9.500	31.168	14.900	14.917	0.457	2.780	3.064	32.400
191	9.550	31.332	26.990	27.014	0.531	3.890	1.966	31.200
192	9.600	31.496	31.470	31.498	0.738	4.450	2.343	30.300
193	9.650	31.660	44.170	44.198	1.007	4.420	2.278	22.200
194	9.700	31.824	43.370	43.407	1.328	5.940	3.059	23.400
195	9.750	31.988	60.710	60.770	1.806	9.580	2.972	21.100
196	9.800	32.152	45.700	45.730	1.742	4.800	3.809	19.100
197	9.850	32.316	65.560	65.601	1.964	6.620	2.994	17.200
198	9.900	32.480	58.890	58.930	1.882	6.350	3.194	17.000
199	9.950	32.644	59.780	59.820	1.883	6.400	3.148	9.600
200	10.000	32.808	65.590	65.626	1.533	5.710	2.336	12.700
201	10.050	32.972	98.860	98.907	2.547	7.480	2.575	11.700
202	10.100	33.136	191.020	191.044	4.194	3.840	2.195	14.200
203	10.150	33.300	176.310	176.324	5.347	2.260	3.032	14.700
204	10.200	33.464	166.720	166.771	5.878	8.120	3.525	19.600
205	10.250	33.628	125.940	125.972	5.473	5.170	4.345	22.900
206	10.300	33.792	114.550	114.624	3.980	11.830	3.472	25.600
207	10.350	33.956	81.050	81.077	2.724	4.400	3.360	32.200
208	10.400	34.120	59.170	59.197	1.222	4.340	2.064	35.500
209	10.450	34.284	69.740	69.766	1.274	4.090	1.826	33.600
210	10.500	34.448	75.890	75.925	0.592	5.680	0.780	33.800
211	10.550	34.612	42.210	42.243	0.882	5.240	2.088	42.900
212	10.600	34.776	42.330	42.366	0.944	5.830	2.228	43.200
213	10.650	34.941	45.490	45.530	1.458	6.400	3.202	53.500
214	10.700	35.105	52.430	52.444	1.355	2.210	2.584	57.100
215	10.750	35.269	96.340	96.314	2.092	-4.180	2.172	52.300
216	10.800	35.433	101.520	101.477	2.771	-6.830	2.731	47.800
217	10.850	35.597	68.060	68.006	2.921	-8.730	4.295	47.500
218	10.900	35.761	46.230	46.161	2.706	-11.010	5.862	47.500
219	10.950	35.925	29.160	29.115	1.415	-7.180	4.860	42.400
220	11.000	36.089	47.380	47.342	1.163	-6.070	2.457	25.500
221	11.050	36.253	76.000	76.022	1.381	3.560	1.817	24.200
222	11.100	36.417	98.440	98.481	1.156	6.560	1.174	25.500
223	11.150	36.581	44.050	44.081	1.219	4.890	2.765	19.700
224	11.200	36.745	73.230	73.264	1.322	5.490	1.804	22.200
225	11.250	36.909	80.560	80.592	1.812	5.200	2.248	20.100
226	11.300	37.073	117.880	117.918	2.348	6.120	1.991	19.200
227	11.350	37.237	93.580	93.621	2.228	6.550	2.380	21.700
228	11.400	37.401	15.220	15.263	1.818	6.810	11.912	38.200
229	11.450	37.565	16.590	16.619	1.100	4.570	6.619	36.100
230	11.500	37.729	17.260	17.293	0.429	5.220	2.481	43.500
231	11.550	37.893	22.020	22.061	0.601	6.590	2.724	40.800
232	11.600	38.057	18.400	18.381	0.425	-3.110	2.312	50.100
233	11.650	38.221	42.100	42.077	0.396	-3.760	0.941	48.600
234	11.700	38.385	35.910	35.934	0.627	3.850	1.745	33.700
235	11.750	38.549	22.580	22.603	1.152	3.720	5.097	27.900
236	11.800	38.713	34.120	34.159	1.068	6.210	3.127	20.000
237	11.850	38.877	63.390	63.429	1.374	6.170	2.166	15.100
238	11.900	39.042	85.640	85.676	1.503	5.790	1.754	13.300
239	11.950	39.206	67.820	67.863	1.325	6.960	1.952	9.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	25.570	25.611	0.960	6.610	3.748	8.600
241	12.050	39.534	21.350	21.386	0.602	5.840	2.815	11.800
242	12.100	39.698	11.710	11.740	0.545	4.820	4.642	10.000
243	12.150	39.862	37.610	37.643	0.613	5.270	1.628	19.300
244	12.200	40.026	21.960	21.981	0.664	3.440	3.021	17.000
245	12.250	40.190	20.180	20.202	0.824	3.490	4.079	17.800
246	12.300	40.354	36.250	36.274	0.972	3.800	2.680	16.900
247	12.350	40.518	27.210	27.237	1.090	4.290	4.002	21.900
248	12.400	40.682	26.430	26.463	0.966	5.210	3.650	26.300
249	12.450	40.846	28.680	28.715	0.715	5.650	2.490	30.900
250	12.500	41.010	50.860	50.894	0.643	5.420	1.263	39.500
251	12.550	41.174	57.330	57.362	1.109	5.090	1.933	37.100
252	12.600	41.338	42.780	42.812	1.133	5.100	2.646	31.700
253	12.650	41.502	33.980	34.012	1.073	5.090	3.155	26.500
254	12.700	41.666	27.510	27.542	1.069	5.110	3.881	32.100
255	12.750	41.830	41.460	41.493	1.315	5.270	3.169	32.200
256	12.800	41.994	46.280	46.314	1.419	5.520	3.064	28.200
257	12.850	42.158	59.680	59.715	1.303	5.620	2.182	39.000
258	12.900	42.322	90.520	90.555	1.698	5.660	1.875	44.700
259	12.950	42.486	76.400	76.435	2.128	5.630	2.784	49.600
260	13.000	42.650	165.210	165.246	2.534	5.700	1.533	0.000
261	13.050	42.814	151.790	151.836	4.246	7.370	2.796	0.000
262	13.100	42.978	92.580	92.616	3.895	5.840	4.206	0.000
263	13.150	43.143	31.120	31.159	2.800	6.190	8.986	0.000
264	13.200	43.307	37.410	37.454	1.659	6.970	4.429	0.000
265	13.250	43.471	42.040	42.083	1.495	6.940	3.552	0.000
266	13.300	43.635	45.150	45.194	1.592	7.090	3.523	0.000
267	13.350	43.799	94.160	94.210	2.310	8.060	2.452	0.000
268	13.400	43.963	108.290	108.337	2.189	7.590	2.021	0.000
269	13.450	44.127	84.320	84.370	0.472	7.960	0.559	0.000
270	13.500	44.291	83.060	83.106	1.811	7.380	2.179	0.000
271	13.550	44.455	39.410	39.454	1.219	7.030	3.090	0.000
272	13.600	44.619	48.930	48.971	0.953	6.610	1.946	0.000
273	13.650	44.783	47.200	47.240	1.759	6.470	3.724	0.000
274	13.700	44.947	222.970	223.012	0.000	6.680	0.000	0.000
275	13.750	45.111	253.800	253.843	0.000	6.870	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221554
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-6-4
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-16-2013
CPT Time:	10:58
CPT File:	13-53075_GP6-4.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722123.328
Northing / Lat:	4294285.860
Elevation:	147.015
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	15.670	15.668	0.012	-0.260	0.077	30.300
2	0.100	0.328	27.810	27.810	0.045	-0.020	0.162	20.400
3	0.150	0.492	37.190	37.190	0.746	-0.080	2.006	3.500
4	0.200	0.656	63.740	63.741	0.539	0.100	0.846	8.100
5	0.250	0.820	126.910	126.907	0.795	-0.500	0.626	6.900
6	0.300	0.984	156.590	156.592	1.366	0.250	0.872	2.900
7	0.350	1.148	223.260	223.262	3.184	0.260	1.426	5.400
8	0.400	1.312	168.590	168.595	3.762	0.740	2.231	6.800
9	0.450	1.476	70.620	70.624	5.348	0.570	7.573	4.800
10	0.500	1.640	92.450	92.450	4.181	0.000	4.522	7.600
11	0.550	1.804	99.880	99.885	16.463	0.730	16.482	5.800
12	0.600	1.968	119.550	119.555	4.611	0.760	3.857	5.800
13	0.650	2.133	363.400	363.401	6.996	0.190	1.925	5.600
14	0.700	2.297	218.160	218.155	9.287	-0.840	4.257	4.900
15	0.750	2.461	153.810	153.807	5.159	-0.510	3.354	4.200
16	0.800	2.625	121.970	121.967	0.766	-0.520	0.628	4.300
17	0.850	2.789	102.010	102.009	1.467	-0.190	1.438	8.400
18	0.900	2.953	39.250	39.248	1.019	-0.370	2.596	23.000
19	0.950	3.117	46.960	46.959	0.679	-0.110	1.446	73.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	16.450	16.453	0.490	0.440	2.978	67.000
21	1.050	3.445	77.620	77.637	0.415	2.730	0.535	65.100
22	1.100	3.609	115.230	115.147	0.409	-13.310	0.355	70.100
23	1.150	3.773	134.860	134.710	0.455	-24.080	0.338	9.300
24	1.200	3.937	139.230	139.080	0.566	-24.080	0.407	31.100
25	1.250	4.101	154.650	154.500	0.493	-23.980	0.319	5.300
26	1.300	4.265	155.610	155.462	1.326	-23.740	0.853	5.600
27	1.350	4.429	131.250	131.250	2.177	0.040	1.659	7.100
28	1.400	4.593	113.730	113.731	2.595	0.170	2.282	18.200
29	1.450	4.757	84.200	84.202	2.572	0.350	3.055	27.500
30	1.500	4.921	61.810	61.811	2.800	0.200	4.530	5.200
31	1.550	5.085	49.170	49.172	3.068	0.370	6.239	7.700
32	1.600	5.249	50.870	50.872	3.646	0.370	7.167	8.900
33	1.650	5.413	61.750	61.753	4.637	0.540	7.509	16.500
34	1.700	5.577	51.350	51.353	4.754	0.490	9.257	8.400
35	1.750	5.741	49.200	49.203	4.125	0.460	8.384	9.700
36	1.800	5.905	25.700	25.703	0.875	0.470	3.404	4.000
37	1.850	6.069	82.320	82.322	0.142	0.330	0.172	70.900
38	1.900	6.234	140.740	140.742	1.313	0.360	0.933	60.300
39	1.950	6.398	135.590	135.590	2.217	0.020	1.635	7.900
40	2.000	6.562	109.720	109.719	1.999	-0.210	1.822	4.800
41	2.050	6.726	77.400	77.398	0.941	-0.300	1.216	54.200
42	2.100	6.890	64.380	64.379	1.155	-0.140	1.794	68.700
43	2.150	7.054	80.040	80.039	0.863	-0.130	1.078	20.200
44	2.200	7.218	55.310	55.309	0.263	-0.220	0.476	6.700
45	2.250	7.382	69.220	69.219	0.014	-0.090	0.020	5.100
46	2.300	7.546	68.550	68.545	0.062	-0.820	0.090	5.000
47	2.350	7.710	61.080	61.063	0.345	-2.670	0.565	8.700
48	2.400	7.874	67.070	67.053	0.548	-2.750	0.817	4.500
49	2.450	8.038	81.650	81.630	0.944	-3.130	1.156	6.500
50	2.500	8.202	96.250	96.156	0.683	-15.070	0.710	3.600
51	2.550	8.366	99.580	99.486	0.012	-15.090	0.012	7.800
52	2.600	8.530	198.770	198.675	0.504	-15.230	0.254	5.700
53	2.650	8.694	165.740	165.647	1.891	-14.970	1.142	3.900
54	2.700	8.858	89.530	89.410	2.237	-19.180	2.502	5.400
55	2.750	9.022	24.500	24.389	2.248	-17.790	9.217	6.300
56	2.800	9.186	24.420	24.307	1.583	-18.180	6.513	5.500
57	2.850	9.350	13.140	13.031	1.996	-17.460	15.317	2.400
58	2.900	9.514	22.310	22.204	4.316	-17.030	19.438	1.900
59	2.950	9.678	300.700	300.700	4.142	0.080	1.377	3.200
60	3.000	9.842	323.020	323.017	2.591	-0.550	0.802	1.100
61	3.050	10.006	197.600	197.600	1.921	-0.020	0.972	3.200
62	3.100	10.170	134.070	134.066	1.800	-0.700	1.343	4.700
63	3.150	10.335	92.590	92.591	3.790	0.180	4.093	3.100
64	3.200	10.499	58.970	58.973	3.385	0.410	5.740	1.600
65	3.250	10.663	23.750	23.753	2.232	0.560	9.397	2.200
66	3.300	10.827	29.150	29.153	0.894	0.490	3.067	3.100
67	3.350	10.991	22.750	22.754	0.669	0.640	2.940	1.800
68	3.400	11.155	19.220	19.225	0.946	0.850	4.921	1.600
69	3.450	11.319	45.640	45.646	0.315	0.960	0.690	1.700
70	3.500	11.483	44.800	44.811	0.333	1.730	0.743	2.400
71	3.550	11.647	39.640	39.650	0.594	1.630	1.498	2.400
72	3.600	11.811	25.690	25.703	0.910	2.020	3.540	4.200
73	3.650	11.975	38.680	38.693	0.964	2.150	2.491	3.500
74	3.700	12.139	51.430	51.444	1.073	2.290	2.086	2.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	38.730	38.745	1.173	2.410	3.027	2.200
76	3.800	12.467	26.200	26.214	1.144	2.310	4.364	4.500
77	3.850	12.631	22.570	22.585	0.882	2.340	3.905	4.100
78	3.900	12.795	9.800	9.815	0.541	2.330	5.512	6.400
79	3.950	12.959	13.650	13.667	0.572	2.660	4.185	3.400
80	4.000	13.123	18.920	18.937	0.997	2.780	5.265	7.000
81	4.050	13.287	95.200	95.219	1.351	3.020	1.419	3.500
82	4.100	13.451	114.610	114.626	1.191	2.520	1.039	3.000
83	4.150	13.615	67.140	67.154	1.276	2.180	1.900	4.700
84	4.200	13.779	40.460	40.473	1.049	2.050	2.592	4.600
85	4.250	13.943	20.430	20.443	0.738	2.070	3.610	4.100
86	4.300	14.107	23.020	23.035	0.667	2.340	2.896	6.400
87	4.350	14.271	29.420	29.436	0.617	2.560	2.096	8.200
88	4.400	14.436	29.450	29.465	0.684	2.440	2.321	7.200
89	4.450	14.600	42.430	42.446	0.614	2.490	1.447	8.200
90	4.500	14.764	50.890	50.905	0.499	2.450	0.980	3.000
91	4.550	14.928	35.700	35.715	0.438	2.440	1.226	9.300
92	4.600	15.092	31.450	31.465	0.296	2.340	0.941	2.400
93	4.650	15.256	6.270	6.284	0.274	2.260	4.360	3.000
94	4.700	15.420	23.830	23.845	0.375	2.420	1.573	1.900
95	4.750	15.584	34.390	34.405	0.643	2.390	1.869	1.700
96	4.800	15.748	23.340	23.355	0.832	2.410	3.562	2.900
97	4.850	15.912	23.440	23.456	0.880	2.550	3.752	3.500
98	4.900	16.076	20.720	20.735	0.750	2.480	3.617	4.100
99	4.950	16.240	10.420	10.437	0.698	2.750	6.688	3.600
100	5.000	16.404	53.660	53.678	1.153	2.960	2.148	5.400
101	5.050	16.568	50.560	50.579	1.387	2.990	2.742	1.800
102	5.100	16.732	71.110	71.128	0.927	2.900	1.303	1.200
103	5.150	16.896	85.470	85.488	0.882	2.830	1.032	4.200
104	5.200	17.060	36.900	36.918	0.981	2.920	2.657	4.700
105	5.250	17.224	44.070	44.089	1.040	3.030	2.359	2.400
106	5.300	17.388	24.020	24.040	1.141	3.270	4.746	2.400
107	5.350	17.552	69.960	69.980	0.902	3.140	1.289	47.100
108	5.400	17.716	18.740	18.760	0.752	3.190	4.009	4.900
109	5.450	17.880	13.500	13.521	0.528	3.320	3.905	2.800
110	5.500	18.044	23.050	23.074	0.500	3.830	2.167	3.500
111	5.550	18.208	24.900	24.924	0.498	3.840	1.998	4.200
112	5.600	18.372	22.440	22.463	0.781	3.720	3.477	3.600
113	5.650	18.537	22.180	22.202	0.772	3.580	3.477	2.400
114	5.700	18.701	29.510	29.534	0.836	3.910	2.831	2.400
115	5.750	18.865	39.790	39.814	1.151	3.870	2.891	4.100
116	5.800	19.029	56.910	56.935	1.382	4.070	2.427	1.800
117	5.850	19.193	46.500	46.525	1.256	4.010	2.700	4.100
118	5.900	19.357	26.090	26.115	1.065	4.070	4.078	5.800
119	5.950	19.521	16.770	16.795	0.572	3.960	3.406	7.700
120	6.000	19.685	14.930	14.954	0.517	3.880	3.457	1.800
121	6.050	19.849	17.820	17.844	0.427	3.810	2.393	3.600
122	6.100	20.013	13.960	13.984	0.528	3.850	3.776	4.100
123	6.150	20.177	17.600	17.622	0.619	3.500	3.513	1.400
124	6.200	20.341	35.330	35.353	0.577	3.640	1.632	3.400
125	6.250	20.505	61.710	61.732	0.788	3.540	1.276	1.800
126	6.300	20.669	89.910	89.931	0.772	3.350	0.858	3.200
127	6.350	20.833	85.810	85.831	0.620	3.350	0.722	1.300
128	6.400	20.997	37.600	37.624	0.650	3.840	1.728	0.700
129	6.450	21.161	20.500	20.524	0.430	3.850	2.095	2.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	20.970	20.994	0.336	3.860	1.600	3.600
131	6.550	21.489	22.360	22.384	0.425	3.780	1.899	4.800
132	6.600	21.653	22.120	22.144	0.617	3.850	2.786	6.000
133	6.650	21.817	27.710	27.738	0.438	4.490	1.579	7.800
134	6.700	21.981	64.380	64.408	0.406	4.520	0.630	12.200
135	6.750	22.145	52.060	52.088	0.473	4.460	0.908	58.400
136	6.800	22.309	34.990	35.016	0.676	4.200	1.931	50.700
137	6.850	22.473	26.270	26.297	0.677	4.340	2.574	40.600
138	6.900	22.638	26.340	26.372	0.759	5.200	2.878	47.600
139	6.950	22.802	44.630	44.661	0.747	5.000	1.673	42.200
140	7.000	22.966	55.630	55.653	0.690	3.710	1.240	32.200
141	7.050	23.130	80.920	80.938	1.328	2.830	1.641	0.000
142	7.100	23.294	63.830	63.851	1.335	3.380	2.091	0.000
143	7.150	23.458	46.720	46.740	1.589	3.150	3.400	0.000
144	7.200	23.622	61.500	61.519	1.021	2.970	1.660	0.000
145	7.250	23.786	92.380	92.400	0.579	3.200	0.627	0.000
146	7.300	23.950	146.990	147.010	0.502	3.140	0.341	0.000
147	7.350	24.114	211.510	211.530	1.109	3.180	0.524	0.000
148	7.400	24.278	259.910	259.928	3.029	2.900	1.165	0.000
149	7.450	24.442	245.840	245.856	0.716	2.520	0.291	0.000
150	7.500	24.606	210.920	210.929	1.390	1.410	0.659	0.000
151	7.550	24.770	103.020	103.032	1.529	1.920	1.484	0.000
152	7.600	24.934	40.840	40.852	2.095	1.960	5.128	0.000
153	7.650	25.098	49.880	49.897	1.706	2.680	3.419	0.000
154	7.700	25.262	38.080	38.096	2.125	2.620	5.578	0.000
155	7.750	25.426	23.400	23.414	0.000	2.260	0.000	0.000
156	7.800	25.590	243.840	243.855	0.000	2.450	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221556
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-6-5
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-16-2013
CPT Time:	14:48
CPT File:	13-53075_GP6-5.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722126.315
Northing / Lat:	4294283.863
Elevation:	146.990
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	1.170	1.169	0.004	-0.180	0.342	25.100
2	0.100	0.328	2.210	2.207	0.025	-0.510	1.133	36.100
3	0.150	0.492	28.110	28.112	0.068	0.270	0.242	49.800
4	0.200	0.656	91.970	91.972	0.169	0.300	0.184	43.100
5	0.250	0.820	117.050	117.053	0.283	0.430	0.242	48.500
6	0.300	0.984	148.450	148.454	0.657	0.670	0.443	49.700
7	0.350	1.148	145.280	145.286	0.514	0.890	0.354	52.800
8	0.400	1.312	126.120	126.123	0.729	0.510	0.578	59.300
9	0.450	1.476	103.940	103.942	0.733	0.380	0.705	56.500
10	0.500	1.640	56.980	56.985	0.610	0.730	1.070	59.000
11	0.550	1.804	28.630	28.633	0.499	0.440	1.743	35.600
12	0.600	1.968	18.000	18.005	0.477	0.830	2.649	50.900
13	0.650	2.133	15.530	15.534	0.582	0.670	3.747	89.000
14	0.700	2.297	21.020	21.029	0.500	1.420	2.378	92.000
15	0.750	2.461	20.430	20.442	0.702	1.890	3.434	90.100
16	0.800	2.625	23.090	23.057	0.739	-5.230	3.205	97.200
17	0.850	2.789	16.730	16.684	0.827	-7.350	4.957	92.900
18	0.900	2.953	20.500	20.444	0.826	-9.000	4.040	100.700
19	0.950	3.117	14.800	14.734	0.861	-10.520	5.843	96.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	13.130	13.058	0.805	-11.470	6.165	101.800
21	1.050	3.445	12.430	12.355	0.657	-12.000	5.318	94.700
22	1.100	3.609	12.150	12.132	0.551	-2.830	4.542	88.800
23	1.150	3.773	13.320	13.310	0.630	-1.560	4.733	88.200
24	1.200	3.937	20.370	20.359	0.617	-1.700	3.031	80.100
25	1.250	4.101	50.890	50.869	0.631	-3.440	1.240	70.700
26	1.300	4.265	122.420	122.417	3.781	-0.520	3.089	59.300
27	1.350	4.429	184.850	184.847	2.669	-0.420	1.444	57.600
28	1.400	4.593	263.920	263.926	2.696	0.910	1.021	53.100
29	1.450	4.757	144.880	144.883	3.321	0.470	2.292	38.100
30	1.500	4.921	162.090	162.092	2.471	0.330	1.524	38.300
31	1.550	5.085	136.190	136.191	1.824	0.170	1.339	4.000
32	1.600	5.249	97.230	97.232	2.255	0.270	2.319	2.800
33	1.650	5.413	100.800	100.803	1.879	0.540	1.864	7.900
34	1.700	5.577	116.080	116.081	1.781	0.200	1.534	6.000
35	1.750	5.741	46.400	46.403	1.957	0.530	4.217	20.700
36	1.800	5.905	44.370	44.378	1.692	1.360	3.813	69.100
37	1.850	6.069	71.560	71.585	1.355	3.990	1.893	83.100
38	1.900	6.234	103.850	103.820	1.226	-4.820	1.181	92.900
39	1.950	6.398	101.040	100.982	1.520	-9.310	1.505	96.100
40	2.000	6.562	85.590	85.517	1.507	-11.740	1.762	98.300
41	2.050	6.726	81.910	81.829	1.298	-12.940	1.586	95.900
42	2.100	6.890	62.360	62.272	1.194	-14.060	1.917	83.300
43	2.150	7.054	45.750	45.659	0.915	-14.620	2.004	92.900
44	2.200	7.218	31.230	31.137	0.854	-14.880	2.743	82.300
45	2.250	7.382	23.900	23.807	0.568	-14.840	2.386	87.400
46	2.300	7.546	20.500	20.408	0.621	-14.750	3.043	88.700
47	2.350	7.710	24.400	24.309	0.646	-14.500	2.657	86.400
48	2.400	7.874	45.050	44.961	0.688	-14.330	1.530	91.600
49	2.450	8.038	51.550	51.460	0.932	-14.420	1.811	95.100
50	2.500	8.202	47.900	47.810	1.046	-14.470	2.188	90.400
51	2.550	8.366	41.070	40.980	1.100	-14.370	2.684	101.200
52	2.600	8.530	32.040	31.950	1.111	-14.440	3.477	100.400
53	2.650	8.694	29.070	28.982	1.144	-14.170	3.947	99.900
54	2.700	8.858	40.200	40.112	1.009	-14.130	2.515	93.000
55	2.750	9.022	66.200	66.113	1.199	-13.920	1.814	92.200
56	2.800	9.186	64.150	64.062	1.467	-14.080	2.290	78.700
57	2.850	9.350	46.510	46.420	1.811	-14.350	3.901	60.000
58	2.900	9.514	36.030	35.939	2.535	-14.630	7.054	48.400
59	2.950	9.678	144.620	144.530	3.303	-14.430	2.285	41.500
60	3.000	9.842	232.810	232.811	3.804	0.190	1.634	35.700
61	3.050	10.006	197.340	197.344	2.749	0.650	1.393	29.400
62	3.100	10.170	134.280	134.284	2.101	0.620	1.565	34.700
63	3.150	10.335	103.530	103.540	1.623	1.560	1.568	29.000
64	3.200	10.499	105.060	105.067	1.361	1.110	1.295	28.800
65	3.250	10.663	84.120	84.125	1.062	0.790	1.262	18.500
66	3.300	10.827	44.890	44.905	1.056	2.460	2.352	20.000
67	3.350	10.991	50.370	50.387	0.978	2.710	1.941	18.600
68	3.400	11.155	60.490	60.508	0.782	2.880	1.292	12.800
69	3.450	11.319	71.880	71.894	0.589	2.220	0.819	14.400
70	3.500	11.483	74.810	74.824	0.514	2.170	0.687	13.100
71	3.550	11.647	51.580	51.595	0.458	2.340	0.888	14.500
72	3.600	11.811	45.440	45.456	0.013	2.610	0.029	16.500
73	3.650	11.975	62.260	62.272	0.295	2.000	0.474	21.200
74	3.700	12.139	53.940	53.958	0.662	2.810	1.227	26.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	64.420	64.433	0.969	2.130	1.504	16.700
76	3.800	12.467	84.280	84.301	1.100	3.320	1.305	24.300
77	3.850	12.631	54.600	54.624	1.023	3.900	1.873	28.800
78	3.900	12.795	36.900	36.922	1.507	3.540	4.082	30.900
79	3.950	12.959	79.340	79.357	0.934	2.800	1.177	42.600
80	4.000	13.123	39.050	39.066	0.999	2.500	2.557	47.700
81	4.050	13.287	30.450	30.469	0.680	3.020	2.232	61.800
82	4.100	13.451	16.860	16.884	0.402	3.830	2.381	67.300
83	4.150	13.615	21.520	21.547	0.423	4.280	1.963	71.800
84	4.200	13.779	25.930	25.940	0.701	1.670	2.702	58.900
85	4.250	13.943	19.130	19.111	0.745	-3.070	3.898	63.700
86	4.300	14.107	26.000	25.964	0.804	-5.730	3.097	50.300
87	4.350	14.271	21.000	20.941	0.853	-9.430	4.073	53.400
88	4.400	14.436	21.370	21.308	0.504	-9.900	2.365	32.700
89	4.450	14.600	14.600	14.540	0.351	-9.570	2.414	38.500
90	4.500	14.764	20.890	20.897	0.354	1.080	1.694	43.600
91	4.550	14.928	14.250	14.267	0.441	2.770	3.091	39.000
92	4.600	15.092	12.920	12.937	0.595	2.800	4.599	49.900
93	4.650	15.256	10.410	10.434	1.211	3.800	11.607	60.100
94	4.700	15.420	34.530	34.550	0.894	3.260	2.588	54.900
95	4.750	15.584	66.000	66.004	0.245	0.620	0.371	81.100
96	4.800	15.748	32.390	32.445	0.370	8.830	1.140	84.700
97	4.850	15.912	35.370	35.389	0.363	3.020	1.026	88.500
98	4.900	16.076	18.720	18.740	0.374	3.160	1.996	89.200
99	4.950	16.240	11.910	11.932	0.299	3.460	2.506	83.900
100	5.000	16.404	8.930	8.951	0.352	3.340	3.933	83.000
101	5.050	16.568	8.700	8.719	0.368	2.970	4.221	80.600
102	5.100	16.732	7.010	7.052	0.430	6.690	6.098	64.700
103	5.150	16.896	14.760	14.802	0.522	6.720	3.527	42.500
104	5.200	17.060	37.570	37.606	0.707	5.800	1.880	50.100
105	5.250	17.224	35.190	35.220	0.938	4.880	2.663	37.800
106	5.300	17.388	47.560	47.584	1.126	3.820	2.366	51.800
107	5.350	17.552	56.000	56.021	0.904	3.290	1.614	52.900
108	5.400	17.716	49.570	49.590	0.521	3.270	1.051	56.100
109	5.450	17.880	69.030	69.045	0.446	2.400	0.646	43.900
110	5.500	18.044	63.340	63.352	0.519	1.900	0.819	39.400
111	5.550	18.208	38.030	38.041	0.645	1.780	1.696	32.800
112	5.600	18.372	31.370	31.384	0.961	2.270	3.062	22.900
113	5.650	18.537	32.450	32.465	1.344	2.450	4.140	17.600
114	5.700	18.701	39.840	39.854	1.214	2.200	3.046	14.700
115	5.750	18.865	19.360	19.382	0.803	3.490	4.143	19.200
116	5.800	19.029	29.130	29.150	0.453	3.190	1.554	20.500
117	5.850	19.193	3.900	3.918	0.197	2.900	5.028	15.800
118	5.900	19.357	5.840	5.858	0.146	2.940	2.492	17.000
119	5.950	19.521	6.610	6.628	0.178	2.950	2.685	13.500
120	6.000	19.685	8.320	8.338	0.193	2.920	2.315	17.500
121	6.050	19.849	10.510	10.533	0.201	3.720	1.908	27.500
122	6.100	20.013	23.000	23.017	0.537	2.770	2.333	20.000
123	6.150	20.177	49.300	49.321	0.363	3.390	0.736	22.200
124	6.200	20.341	56.250	56.276	0.499	4.160	0.887	18.900
125	6.250	20.505	17.250	17.270	0.593	3.260	3.434	19.900
126	6.300	20.669	14.930	14.951	0.560	3.290	3.746	13.800
127	6.350	20.833	15.510	15.529	0.659	3.010	4.244	20.400
128	6.400	20.997	21.260	21.272	0.534	1.880	2.510	19.100
129	6.450	21.161	11.310	11.335	0.424	4.020	3.741	19.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	12.530	12.553	0.288	3.740	2.294	19.500
131	6.550	21.489	31.270	31.291	0.291	3.370	0.930	22.500
132	6.600	21.653	53.730	53.749	0.428	2.980	0.796	15.400
133	6.650	21.817	37.150	37.167	0.662	2.660	1.781	21.400
134	6.700	21.981	33.400	33.415	0.811	2.450	2.427	23.900
135	6.750	22.145	29.630	29.639	0.974	1.490	3.286	38.200
136	6.800	22.309	29.530	29.542	0.905	1.930	3.063	52.400
137	6.850	22.473	36.780	36.795	0.960	2.460	2.609	61.000
138	6.900	22.638	53.210	53.217	0.941	1.160	1.768	56.800
139	6.950	22.802	61.300	61.290	1.187	-1.580	1.937	53.600
140	7.000	22.966	63.960	63.966	1.131	0.950	1.768	44.700
141	7.050	23.130	39.480	39.490	1.243	1.530	3.148	45.100
142	7.100	23.294	34.870	34.879	1.178	1.370	3.377	53.400
143	7.150	23.458	30.060	30.070	1.045	1.640	3.475	55.800
144	7.200	23.622	20.360	20.373	0.816	2.020	4.005	56.700
145	7.250	23.786	14.270	14.275	0.623	0.860	4.364	54.200
146	7.300	23.950	23.770	23.763	0.472	-1.100	1.986	53.300
147	7.350	24.114	44.850	44.849	0.654	-0.240	1.458	58.700
148	7.400	24.278	49.100	49.102	0.552	0.330	1.124	23.600
149	7.450	24.442	39.800	39.792	0.572	-1.280	1.437	6.100
150	7.500	24.606	31.440	31.420	0.789	-3.140	2.511	4.900
151	7.550	24.770	26.110	26.086	0.700	-3.770	2.683	3.700
152	7.600	24.934	25.950	25.926	0.625	-3.810	2.411	2.700
153	7.650	25.098	43.970	43.979	0.716	1.370	1.628	1.900
154	7.700	25.262	26.770	26.776	0.803	0.990	2.999	2.700
155	7.750	25.426	26.530	26.534	0.729	0.720	2.747	2.800
156	7.800	25.590	13.860	13.863	0.569	0.550	4.104	0.400
157	7.850	25.754	19.320	19.322	0.626	0.390	3.240	1.500
158	7.900	25.918	45.160	45.161	0.529	0.110	1.171	1.700
159	7.950	26.082	24.450	24.456	0.575	1.040	2.351	1.100
160	8.000	26.246	11.350	11.368	0.776	2.940	6.826	2.300
161	8.050	26.410	34.060	34.078	0.829	2.820	2.433	1.700
162	8.100	26.574	52.150	52.171	1.173	3.350	2.248	2.300
163	8.150	26.739	49.960	49.983	1.266	3.740	2.533	0.600
164	8.200	26.903	30.770	30.793	1.336	3.700	4.339	0.600
165	8.250	27.067	32.930	32.952	1.093	3.540	3.317	0.900
166	8.300	27.231	22.150	22.170	0.968	3.210	4.366	2.100
167	8.350	27.395	20.260	20.281	0.852	3.360	4.201	1.600
168	8.400	27.559	30.060	30.085	0.639	3.940	2.124	2.600
169	8.450	27.723	22.000	22.022	0.571	3.600	2.593	14.800
170	8.500	27.887	9.270	9.291	0.560	3.440	6.027	57.400
171	8.550	28.051	9.880	9.904	0.310	3.860	3.130	58.900
172	8.600	28.215	7.650	7.677	0.171	4.300	2.227	68.400
173	8.650	28.379	8.600	8.630	0.184	4.740	2.132	61.500
174	8.700	28.543	11.270	11.300	0.275	4.880	2.434	58.000
175	8.750	28.707	12.730	12.761	0.305	4.950	2.390	68.200
176	8.800	28.871	12.500	12.528	0.352	4.560	2.810	58.200
177	8.850	29.035	10.870	10.900	0.276	4.860	2.532	66.700
178	8.900	29.199	14.180	14.210	0.238	4.820	1.675	58.800
179	8.950	29.363	13.260	13.287	0.229	4.310	1.724	50.600
180	9.000	29.527	16.030	16.056	0.276	4.150	1.719	56.800
181	9.050	29.691	31.840	31.865	0.508	4.030	1.594	48.600
182	9.100	29.855	38.570	38.599	0.989	4.630	2.562	55.200
183	9.150	30.019	62.880	62.909	0.689	4.620	1.095	51.300
184	9.200	30.183	113.860	113.890	0.944	4.760	0.829	53.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	131.760	131.786	1.575	4.160	1.195	56.000
186	9.300	30.511	122.090	122.118	2.289	4.480	1.874	52.400
187	9.350	30.675	90.970	90.996	2.457	4.200	2.700	50.300
188	9.400	30.840	106.970	106.966	2.640	-0.590	2.468	41.900
189	9.450	31.004	117.280	117.274	1.935	-1.040	1.650	38.000
190	9.500	31.168	102.670	102.672	1.289	0.330	1.255	38.500
191	9.550	31.332	68.850	68.858	0.685	1.350	0.995	35.800
192	9.600	31.496	49.730	49.741	0.666	1.830	1.339	22.000
193	9.650	31.660	41.070	41.089	0.599	3.110	1.458	22.400
194	9.700	31.824	36.440	36.459	0.661	3.070	1.813	27.700
195	9.750	31.988	32.690	32.712	0.584	3.550	1.785	30.900
196	9.800	32.152	36.470	36.490	0.781	3.190	2.140	36.600
197	9.850	32.316	86.210	86.231	1.157	3.300	1.342	42.500
198	9.900	32.480	108.320	108.330	1.580	1.640	1.459	3.800
199	9.950	32.644	94.220	94.229	1.912	1.390	2.029	3.200
200	10.000	32.808	69.410	69.408	1.700	-0.370	2.449	4.900
201	10.050	32.972	40.290	40.294	1.265	0.600	3.139	5.500
202	10.100	33.136	24.050	24.055	0.836	0.780	3.475	3.600
203	10.150	33.300	38.630	38.630	0.786	0.010	2.035	2.300
204	10.200	33.464	36.290	36.315	0.660	3.990	1.817	1.700
205	10.250	33.628	26.670	26.695	0.771	3.990	2.888	1.000
206	10.300	33.792	38.100	38.125	0.734	4.030	1.925	2.300
207	10.350	33.956	23.180	23.209	0.730	4.650	3.145	1.400
208	10.400	34.120	15.030	15.059	0.722	4.620	4.795	1.600
209	10.450	34.284	14.130	14.158	0.590	4.550	4.167	2.900
210	10.500	34.448	21.340	21.369	0.569	4.640	2.663	2.600
211	10.550	34.612	36.920	36.947	0.490	4.360	1.326	2.900
212	10.600	34.776	11.380	11.416	0.565	5.760	4.949	2.300
213	10.650	34.941	20.290	20.322	0.390	5.150	1.919	3.800
214	10.700	35.105	40.010	40.044	1.465	5.390	3.659	3.600
215	10.750	35.269	84.080	84.077	1.607	-0.480	1.911	5.300
216	10.800	35.433	20.290	20.319	1.566	4.590	7.707	7.700
217	10.850	35.597	17.730	17.759	0.623	4.630	3.508	4.700
218	10.900	35.761	29.960	29.965	0.604	0.870	2.016	3.100
219	10.950	35.925	30.390	30.412	0.705	3.580	2.318	2.600
220	11.000	36.089	16.280	16.306	0.710	4.150	4.354	2.600
221	11.050	36.253	20.230	20.254	0.662	3.830	3.269	1.700
222	11.100	36.417	15.380	15.400	0.473	3.190	3.071	3.800
223	11.150	36.581	27.250	27.270	0.654	3.280	2.398	3.700
224	11.200	36.745	32.380	32.401	0.964	3.340	2.975	5.700
225	11.250	36.909	31.530	31.557	1.024	4.340	3.245	5.600
226	11.300	37.073	54.410	54.436	1.098	4.130	2.017	3.500
227	11.350	37.237	49.050	49.071	1.195	3.350	2.435	2.900
228	11.400	37.401	36.880	36.904	1.566	3.920	4.243	2.200
229	11.450	37.565	45.920	45.950	1.704	4.740	3.708	2.600
230	11.500	37.729	81.350	81.386	2.277	5.780	2.798	2.200
231	11.550	37.893	65.930	65.971	2.425	6.550	3.676	11.900
232	11.600	38.057	52.090	52.132	2.140	6.800	4.105	14.700
233	11.650	38.221	120.500	120.538	2.203	6.030	1.828	15.200
234	11.700	38.385	49.580	49.613	1.840	5.330	3.709	12.100
235	11.750	38.549	12.420	12.447	1.834	4.310	14.735	3.700
236	11.800	38.713	53.700	53.724	1.516	3.840	2.822	2.000
237	11.850	38.877	47.880	47.912	1.741	5.060	3.634	3.400
238	11.900	39.042	26.620	26.657	1.564	5.850	5.867	2.900
239	11.950	39.206	42.910	42.941	1.540	5.000	3.586	1.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	50.160	50.185	1.404	4.080	2.798	1.500
241	12.050	39.534	135.000	135.024	1.882	3.890	1.394	0.600
242	12.100	39.698	88.780	88.802	2.062	3.510	2.322	1.800
243	12.150	39.862	79.100	79.124	2.644	3.870	3.342	0.600
244	12.200	40.026	89.410	89.433	2.850	3.660	3.187	1.300
245	12.250	40.190	57.950	57.970	2.584	3.170	4.457	1.300
246	12.300	40.354	53.750	53.732	2.033	-2.820	3.784	0.700
247	12.350	40.518	46.250	46.216	1.573	-5.440	3.404	1.600
248	12.400	40.682	36.600	36.568	1.187	-5.180	3.246	1.000
249	12.450	40.846	22.300	22.270	0.817	-4.840	3.669	1.600
250	12.500	41.010	23.930	23.939	0.684	1.500	2.857	3.000
251	12.550	41.174	36.000	36.017	0.697	2.790	1.935	2.700
252	12.600	41.338	46.560	46.581	0.896	3.440	1.924	4.000
253	12.650	41.502	43.060	43.075	1.055	2.360	2.449	2.700
254	12.700	41.666	47.150	47.175	1.391	3.970	2.949	2.900
255	12.750	41.830	59.670	59.697	1.520	4.340	2.546	1.800
256	12.800	41.994	72.460	72.488	2.186	4.420	3.016	1.800
257	12.850	42.158	76.290	76.319	2.201	4.640	2.884	12.800
258	12.900	42.322	58.600	58.616	2.118	2.500	3.613	34.000
259	12.950	42.486	54.150	54.161	1.567	1.740	2.893	33.000
260	13.000	42.650	44.470	44.475	1.176	0.760	2.644	31.600
261	13.050	42.814	32.120	32.148	0.846	4.480	2.632	35.700
262	13.100	42.978	70.450	70.449	0.884	-0.120	1.255	24.500
263	13.150	43.143	107.820	107.794	1.121	-4.210	1.040	20.200
264	13.200	43.307	97.130	97.106	1.280	-3.790	1.318	19.400
265	13.250	43.471	101.390	101.368	2.445	-3.470	2.412	15.500
266	13.300	43.635	194.410	194.390	3.973	-3.170	2.044	16.100
267	13.350	43.799	109.100	109.083	4.173	-2.780	3.826	7.800
268	13.400	43.963	138.580	138.577	5.149	-0.550	3.716	12.300
269	13.450	44.127	112.020	112.024	4.130	0.620	3.687	19.100
270	13.500	44.291	55.770	55.777	3.474	1.050	6.228	19.600
271	13.550	44.455	34.770	34.779	1.812	1.380	5.210	26.600
272	13.600	44.619	49.160	49.173	1.872	2.110	3.807	9.100
273	13.650	44.783	77.190	77.206	2.331	2.500	3.019	2.900
274	13.700	44.947	75.550	75.565	2.684	2.380	3.552	1.200
275	13.750	45.111	55.890	55.906	2.198	2.550	3.932	3.700
276	13.800	45.275	53.110	53.127	1.920	2.690	3.614	3.900
277	13.850	45.439	43.200	43.218	1.649	2.920	3.816	29.400
278	13.900	45.603	36.210	36.229	1.451	3.000	4.005	42.000
279	13.950	45.767	39.050	39.068	1.258	2.910	3.220	46.700
280	14.000	45.931	27.980	27.989	1.153	1.370	4.120	43.600
281	14.050	46.095	25.950	25.954	1.002	0.600	3.861	43.300
282	14.100	46.259	29.290	29.292	0.850	0.380	2.902	32.100
283	14.150	46.423	32.230	32.239	0.930	1.370	2.885	30.600
284	14.200	46.587	29.090	29.118	0.883	4.480	3.032	24.200
285	14.250	46.751	68.580	68.608	1.203	4.410	1.753	24.600
286	14.300	46.915	99.590	99.616	1.208	4.220	1.213	28.900
287	14.350	47.079	36.870	36.896	1.405	4.190	3.808	32.200
288	14.400	47.244	22.340	22.365	1.122	4.050	5.017	36.100
289	14.450	47.408	47.950	47.974	0.589	3.770	1.228	42.700
290	14.500	47.572	44.000	44.031	0.600	4.910	1.363	48.700
291	14.550	47.736	19.990	20.024	0.616	5.430	3.076	59.100
292	14.600	47.900	29.250	29.272	0.725	3.450	2.477	71.500
293	14.650	48.064	35.030	35.050	1.250	3.260	3.566	64.500
294	14.700	48.228	61.940	61.884	1.686	-9.040	2.724	59.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	57.680	57.608	1.829	-11.580	3.175	50.800
296	14.800	48.556	48.600	48.513	1.755	-13.970	3.618	63.700
297	14.850	48.720	46.330	46.262	1.109	-10.920	2.397	54.100
298	14.900	48.884	28.560	28.489	0.773	-11.430	2.713	48.200
299	14.950	49.048	23.980	23.933	0.639	-7.550	2.670	46.000
300	15.000	49.212	18.390	18.408	0.503	2.890	2.733	50.100
301	15.050	49.376	10.900	10.918	0.532	2.830	4.873	32.300
302	15.100	49.540	13.370	13.378	0.449	1.280	3.356	32.000
303	15.150	49.704	10.990	10.998	0.430	1.260	3.910	24.500
304	15.200	49.868	13.940	13.946	0.513	0.990	3.678	25.000
305	15.250	50.032	28.610	28.624	0.702	2.190	2.453	20.400
306	15.300	50.196	22.410	22.425	0.770	2.330	3.434	17.600
307	15.350	50.360	23.790	23.807	1.112	2.710	4.671	17.300
308	15.400	50.524	35.600	35.616	1.182	2.630	3.319	12.800
309	15.450	50.688	31.360	31.374	1.280	2.170	4.080	15.700
310	15.500	50.852	25.100	25.114	1.061	2.210	4.225	15.300
311	15.550	51.016	19.660	19.673	0.929	2.120	4.722	20.000
312	15.600	51.180	26.210	26.224	1.014	2.190	3.867	19.000
313	15.650	51.345	39.050	39.064	0.971	2.310	2.486	20.000
314	15.700	51.509	38.320	38.334	1.124	2.230	2.932	24.400
315	15.750	51.673	47.530	47.544	0.908	2.270	1.910	33.500
316	15.800	51.837	33.280	33.294	0.770	2.210	2.313	32.900
317	15.850	52.001	32.270	32.282	0.402	1.890	1.245	35.200
318	15.900	52.165	48.510	48.522	0.263	1.980	0.542	39.600
319	15.950	52.329	50.300	50.313	0.246	2.030	0.489	40.500
320	16.000	52.493	75.100	75.112	0.219	1.980	0.292	46.800
321	16.050	52.657	65.140	65.153	0.409	2.040	0.628	55.300
322	16.100	52.821	59.980	59.993	0.573	2.030	0.955	69.300
323	16.150	52.985	46.760	46.772	0.488	1.960	1.043	62.700
324	16.200	53.149	51.470	51.483	0.683	2.120	1.327	53.800
325	16.250	53.313	70.030	70.043	0.930	2.120	1.328	57.700
326	16.300	53.477	106.740	106.749	1.408	1.490	1.319	61.500
327	16.350	53.641	47.990	48.000	1.453	1.590	3.027	56.200
328	16.400	53.805	35.920	35.929	1.321	1.520	3.677	56.800
329	16.450	53.969	40.560	40.570	0.786	1.650	1.937	46.900
330	16.500	54.133	49.020	49.030	1.481	1.570	3.021	31.800
331	16.550	54.297	53.830	53.840	1.783	1.570	3.312	26.900
332	16.600	54.461	67.940	67.950	1.851	1.560	2.724	21.200
333	16.650	54.625	89.960	89.972	1.631	1.930	1.813	24.600
334	16.700	54.789	120.890	120.903	3.121	2.130	2.581	22.500
335	16.750	54.953	91.100	91.115	2.592	2.360	2.845	27.300
336	16.800	55.117	39.610	39.625	1.887	2.340	4.762	30.500
337	16.850	55.281	25.200	25.221	1.040	3.440	4.123	26.900
338	16.900	55.446	29.200	29.221	0.859	3.300	2.940	25.700
339	16.950	55.610	31.010	31.031	1.287	3.410	4.147	25.600
340	17.000	55.774	31.460	31.482	1.637	3.540	5.200	24.300
341	17.050	55.938	32.720	32.742	0.970	3.540	2.963	23.500
342	17.100	56.102	51.160	51.183	0.583	3.670	1.139	23.300
343	17.150	56.266	135.940	135.962	1.008	3.520	0.741	23.400
344	17.200	56.430	112.900	112.921	1.203	3.420	1.065	19.100
345	17.250	56.594	35.950	35.972	1.162	3.470	3.230	26.300
346	17.300	56.758	57.220	57.241	0.499	3.330	0.872	26.800
347	17.350	56.922	44.980	45.000	0.149	3.210	0.331	35.100
348	17.400	57.086	27.160	27.180	0.328	3.180	1.207	34.800
349	17.450	57.250	27.940	27.961	0.312	3.370	1.116	34.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
350	17.500	57.414	11.560	11.581	0.295	3.350	2.547	34.000
351	17.550	57.578	8.040	8.061	0.359	3.430	4.453	0.000
352	17.600	57.742	7.150	7.172	0.660	3.590	9.202	0.000
353	17.650	57.906	8.330	8.353	0.348	3.630	4.166	0.000
354	17.700	58.070	9.740	9.762	0.296	3.540	3.032	0.000
355	17.750	58.234	36.690	36.712	0.225	3.470	0.613	0.000
356	17.800	58.398	89.390	89.413	0.480	3.620	0.537	0.000
357	17.850	58.562	130.470	130.493	0.785	3.760	0.602	0.000
358	17.900	58.726	141.070	141.094	1.050	3.870	0.744	0.000
359	17.950	58.890	153.520	153.544	1.258	3.840	0.819	0.000
360	18.000	59.054	165.480	165.505	1.443	3.950	0.872	0.000
361	18.050	59.218	173.910	173.935	1.564	4.080	0.899	0.000
362	18.100	59.382	171.740	171.766	1.846	4.210	1.075	0.000
363	18.150	59.547	161.770	161.796	1.957	4.160	1.210	0.000
364	18.200	59.711	142.080	142.108	1.819	4.450	1.280	0.000
365	18.250	59.875	159.550	159.577	0.000	4.380	0.000	0.000
366	18.300	60.039	199.230	199.258	0.000	4.530	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221557
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-6-6
Cone ID:	410:T1500F15U500
Operator:	DC/YB
CPT Date:	Feb-06-2014
CPT Time:	14:37
CPT File:	13-53075_GP6-6.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722118.393
Northing / Lat:	4294296.720
Elevation:	144.741
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	1.210	1.216	0.010	1.030	0.822	26.900
2	0.100	0.328	1.110	1.116	0.004	0.950	0.358	31.900
3	0.150	0.492	1.040	1.046	0.003	1.000	0.287	28.000
4	0.200	0.656	3.170	3.300	0.007	20.780	0.212	35.600
5	0.250	0.820	7.650	7.701	0.007	8.130	0.091	55.400
6	0.300	0.984	13.300	13.323	0.007	3.620	0.053	46.800
7	0.350	1.148	14.880	14.890	0.005	1.570	0.034	54.000
8	0.400	1.312	11.040	11.047	0.010	1.140	0.091	67.300
9	0.450	1.476	7.840	7.830	0.006	-1.550	0.077	62.600
10	0.500	1.640	6.070	6.108	0.005	6.110	0.082	66.000
11	0.550	1.804	7.030	7.145	0.010	18.410	0.140	84.400
12	0.600	1.968	6.430	6.526	0.011	15.300	0.169	68.400
13	0.650	2.133	9.030	9.091	0.007	9.710	0.077	71.900
14	0.700	2.297	10.620	10.682	0.010	9.960	0.094	60.800
15	0.750	2.461	12.390	12.563	0.007	27.750	0.056	74.300
16	0.800	2.625	14.750	14.872	0.006	19.620	0.040	64.400
17	0.850	2.789	13.610	13.670	0.005	9.610	0.037	60.600
18	0.900	2.953	12.520	12.560	0.000	6.420	0.000	55.000
19	0.950	3.117	14.390	14.414	0.124	3.790	0.860	50.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	11.000	11.085	0.102	13.540	0.920	70.400
21	1.050	3.445	6.120	6.173	0.125	8.530	2.025	56.900
22	1.100	3.609	3.710	3.758	0.155	7.630	4.125	70.600
23	1.150	3.773	2.680	2.731	0.403	8.210	14.755	75.800
24	1.200	3.937	9.010	9.062	0.313	8.280	3.454	86.700
25	1.250	4.101	4.750	4.815	0.244	10.370	5.068	86.200
26	1.300	4.265	1.200	1.308	0.190	17.260	14.529	84.900
27	1.350	4.429	5.900	6.080	0.058	28.830	0.954	93.400
28	1.400	4.593	47.770	49.189	0.300	227.270	0.610	85.000
29	1.450	4.757	92.610	92.874	0.604	42.300	0.650	85.900
30	1.500	4.921	91.630	91.724	0.870	15.010	0.949	76.900
31	1.550	5.085	62.410	62.415	0.587	0.860	0.940	55.900
32	1.600	5.249	44.210	44.182	0.399	-4.470	0.903	65.900
33	1.650	5.413	36.860	36.866	0.345	0.910	0.936	47.700
34	1.700	5.577	35.460	35.454	0.421	-0.940	1.187	24.200
35	1.750	5.741	31.940	31.942	0.666	0.300	2.085	24.300
36	1.800	5.905	19.750	19.871	0.501	19.340	2.521	21.000
37	1.850	6.069	16.430	16.472	0.570	6.720	3.460	15.100
38	1.900	6.234	13.630	13.661	0.359	5.000	2.628	11.000
39	1.950	6.398	15.010	15.005	0.321	-0.880	2.139	15.500
40	2.000	6.562	10.600	10.620	0.177	3.230	1.667	17.400
41	2.050	6.726	10.140	10.196	0.152	8.930	1.491	6.600
42	2.100	6.890	15.900	15.909	0.187	1.380	1.175	10.400
43	2.150	7.054	9.600	9.620	0.170	3.280	1.767	16.100
44	2.200	7.218	10.450	10.515	0.189	10.390	1.797	16.100
45	2.250	7.382	14.860	14.863	0.122	0.460	0.821	13.900
46	2.300	7.546	16.720	16.759	0.045	6.290	0.269	12.900
47	2.350	7.710	15.820	15.857	0.025	5.970	0.158	12.900
48	2.400	7.874	14.490	14.541	0.112	8.120	0.770	11.700
49	2.450	8.038	38.620	38.617	0.168	-0.510	0.435	17.600
50	2.500	8.202	75.070	75.165	0.456	15.180	0.607	24.800
51	2.550	8.366	94.080	94.291	0.371	33.810	0.393	21.600
52	2.600	8.530	76.380	76.380	0.280	-0.040	0.367	18.000
53	2.650	8.694	48.990	49.038	0.271	7.730	0.553	24.200
54	2.700	8.858	38.720	38.751	0.372	5.030	0.960	32.300
55	2.750	9.022	52.950	52.990	0.662	6.350	1.249	33.100
56	2.800	9.186	62.530	62.561	0.897	5.040	1.434	24.500
57	2.850	9.350	102.020	102.037	0.982	2.700	0.962	32.600
58	2.900	9.514	67.840	67.887	0.965	7.560	1.421	30.200
59	2.950	9.678	42.580	42.596	0.740	2.630	1.737	33.200
60	3.000	9.842	21.740	21.747	0.375	1.160	1.724	37.600
61	3.050	10.006	12.050	12.035	0.303	-2.450	2.518	36.200
62	3.100	10.170	9.430	9.430	0.247	0.080	2.619	39.000
63	3.150	10.335	6.240	6.256	0.286	2.580	4.572	31.600
64	3.200	10.499	12.290	12.386	1.321	15.400	10.665	30.200
65	3.250	10.663	88.280	88.300	1.598	3.140	1.810	23.900
66	3.300	10.827	26.660	26.677	1.742	2.650	6.530	25.700
67	3.350	10.991	27.140	27.205	1.433	10.360	5.267	29.300
68	3.400	11.155	43.170	43.193	0.796	3.640	1.843	29.000
69	3.450	11.319	30.820	30.849	0.688	4.670	2.230	33.500
70	3.500	11.483	12.830	12.832	0.465	0.370	3.624	53.800
71	3.550	11.647	9.330	9.343	0.212	2.130	2.269	52.900
72	3.600	11.811	11.520	11.527	0.445	1.080	3.861	49.200
73	3.650	11.975	19.180	19.345	0.544	26.490	2.812	42.600
74	3.700	12.139	54.150	54.293	0.824	22.950	1.518	31.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	69.610	69.668	0.580	9.220	0.833	31.900
76	3.800	12.467	31.180	31.258	0.615	12.510	1.967	33.500
77	3.850	12.631	35.600	35.636	0.426	5.760	1.195	33.700
78	3.900	12.795	53.650	53.646	0.440	-0.690	0.820	25.900
79	3.950	12.959	73.170	73.192	0.833	3.540	1.138	37.800
80	4.000	13.123	31.170	31.197	0.938	4.250	3.007	48.800
81	4.050	13.287	24.670	24.841	1.162	27.340	4.678	59.300
82	4.100	13.451	45.190	45.188	0.872	-0.400	1.930	57.400
83	4.150	13.615	42.420	42.421	0.932	0.190	2.197	70.100
84	4.200	13.779	32.930	33.010	0.623	12.770	1.887	83.800
85	4.250	13.943	13.860	14.010	0.579	23.960	4.133	81.400
86	4.300	14.107	16.590	16.759	0.570	27.050	3.401	79.100
87	4.350	14.271	17.230	17.373	0.610	22.830	3.511	83.800
88	4.400	14.436	15.240	15.308	0.686	10.910	4.481	81.000
89	4.450	14.600	14.700	14.769	0.741	11.000	5.017	62.000
90	4.500	14.764	15.890	16.006	1.027	18.660	6.416	47.100
91	4.550	14.928	33.300	33.506	1.084	32.990	3.235	44.100
92	4.600	15.092	22.500	22.977	1.148	76.360	4.996	25.700
93	4.650	15.256	94.130	94.126	1.108	-0.690	1.177	28.500
94	4.700	15.420	76.420	76.495	1.196	11.990	1.564	24.800
95	4.750	15.584	60.310	60.329	1.647	3.040	2.730	22.000
96	4.800	15.748	87.490	87.511	1.343	3.310	1.535	22.700
97	4.850	15.912	11.740	11.819	1.176	12.690	9.950	23.100
98	4.900	16.076	17.750	17.769	0.404	3.080	2.274	27.100
99	4.950	16.240	17.700	17.707	0.372	1.120	2.101	27.600
100	5.000	16.404	23.870	23.879	0.301	1.470	1.261	26.200
101	5.050	16.568	64.840	64.867	0.753	4.300	1.161	33.600
102	5.100	16.732	96.450	96.812	0.932	58.010	0.963	30.100
103	5.150	16.896	37.820	37.843	0.992	3.610	2.621	37.500
104	5.200	17.060	29.670	29.681	0.938	1.710	3.160	35.800
105	5.250	17.224	23.170	23.184	0.539	2.240	2.325	51.300
106	5.300	17.388	16.220	16.223	0.367	0.460	2.262	59.000
107	5.350	17.552	7.060	7.063	0.122	0.540	1.727	60.900
108	5.400	17.716	6.080	6.088	0.154	1.260	2.530	67.500
109	5.450	17.880	11.090	11.125	0.256	5.600	2.301	77.500
110	5.500	18.044	24.060	24.106	0.460	7.350	1.908	84.400
111	5.550	18.208	29.800	29.825	0.359	4.000	1.204	87.700
112	5.600	18.372	34.880	34.922	0.520	6.730	1.489	91.100
113	5.650	18.537	60.090	60.083	0.777	-1.070	1.293	77.600
114	5.700	18.701	77.310	77.288	1.776	-3.560	2.298	93.400
115	5.750	18.865	99.080	99.008	1.483	-11.600	1.498	86.700
116	5.800	19.029	67.020	66.966	1.429	-8.720	2.134	76.900
117	5.850	19.193	68.390	68.337	1.398	-8.540	2.046	78.600
118	5.900	19.357	59.660	59.607	1.218	-8.460	2.043	89.800
119	5.950	19.521	57.630	57.580	1.044	-7.980	1.813	69.500
120	6.000	19.685	48.770	48.719	1.034	-8.110	2.122	75.700
121	6.050	19.849	40.580	40.536	0.941	-7.020	2.321	64.300
122	6.100	20.013	30.860	30.822	1.079	-6.140	3.501	68.700
123	6.150	20.177	37.460	37.406	1.451	-8.690	3.879	57.000
124	6.200	20.341	35.960	35.909	1.470	-8.230	4.094	56.200
125	6.250	20.505	40.330	40.278	1.517	-8.270	3.766	48.200
126	6.300	20.669	35.450	35.396	1.538	-8.730	4.345	46.800
127	6.350	20.833	27.650	27.591	1.192	-9.480	4.320	50.700
128	6.400	20.997	19.170	19.161	1.230	-1.490	6.419	51.600
129	6.450	21.161	41.150	41.504	1.133	56.770	2.730	63.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	61.540	61.562	1.572	3.490	2.554	72.800
131	6.550	21.489	99.140	99.093	2.255	-7.470	2.276	71.800
132	6.600	21.653	88.360	88.277	2.636	-13.300	2.986	87.500
133	6.650	21.817	95.690	95.648	2.378	-6.720	2.486	80.900
134	6.700	21.981	73.020	72.969	1.809	-8.120	2.479	75.600
135	6.750	22.145	48.230	48.151	1.502	-12.710	3.119	57.900
136	6.800	22.309	34.950	34.872	2.732	-12.540	7.834	49.200
137	6.850	22.473	55.000	54.933	2.507	-10.760	4.564	30.500
138	6.900	22.638	63.990	63.982	1.777	-1.360	2.777	24.900
139	6.950	22.802	38.870	38.843	1.389	-4.400	3.576	14.600
140	7.000	22.966	38.040	38.036	1.144	-0.710	3.008	21.100
141	7.050	23.130	68.790	68.836	1.471	7.290	2.137	17.500
142	7.100	23.294	56.810	56.834	2.267	3.780	3.989	11.800
143	7.150	23.458	75.990	76.009	2.494	3.020	3.281	18.000
144	7.200	23.622	65.740	65.761	2.134	3.320	3.245	15.500
145	7.250	23.786	50.580	50.606	1.793	4.120	3.543	21.900
146	7.300	23.950	39.370	39.407	1.951	5.950	4.951	33.300
147	7.350	24.114	47.500	47.574	1.520	11.930	3.195	41.300
148	7.400	24.278	48.760	48.777	1.775	2.660	3.639	60.500
149	7.450	24.442	60.210	60.222	1.487	1.950	2.469	70.100
150	7.500	24.606	23.640	23.688	1.372	7.620	5.792	84.800
151	7.550	24.770	31.080	31.128	0.795	7.610	2.554	74.000
152	7.600	24.934	31.600	31.614	0.838	2.240	2.651	65.800
153	7.650	25.098	22.580	22.543	0.687	-5.880	3.047	65.400
154	7.700	25.262	14.190	14.145	0.449	-7.220	3.174	56.600
155	7.750	25.426	12.780	12.773	0.511	-1.160	4.001	72.500
156	7.800	25.590	15.500	15.507	0.791	1.190	5.101	92.200
157	7.850	25.754	34.140	34.164	1.210	3.900	3.542	132.700
158	7.900	25.918	84.920	84.935	1.339	2.470	1.576	195.800
159	7.950	26.082	32.220	32.251	1.147	4.970	3.556	332.800
160	8.000	26.246	49.960	49.959	1.038	-0.120	2.078	538.900
161	8.050	26.410	29.840	29.843	1.057	0.470	3.542	774.400
162	8.100	26.574	26.420	26.421	1.016	0.090	3.845	985.800
163	8.150	26.739	27.990	28.103	1.116	18.160	3.971	930.900
164	8.200	26.903	20.280	20.390	0.986	17.600	4.836	721.300
165	8.250	27.067	43.250	43.414	0.861	26.250	1.983	500.200
166	8.300	27.231	23.300	23.339	0.635	6.210	2.721	426.500
167	8.350	27.395	21.650	21.679	0.663	4.670	3.058	544.000
168	8.400	27.559	9.370	9.416	0.439	7.350	4.662	863.200
169	8.450	27.723	54.200	54.217	0.362	2.690	0.668	1590.300
170	8.500	27.887	45.950	46.015	0.756	10.440	1.643	2465.300
171	8.550	28.051	29.730	29.766	1.149	5.720	3.860	3197.600
172	8.600	28.215	40.600	40.653	1.407	8.470	3.461	3048.700
173	8.650	28.379	69.220	69.282	1.897	9.910	2.738	2080.700
174	8.700	28.543	104.470	104.563	1.829	14.880	1.749	1114.600
175	8.750	28.707	82.060	82.061	2.245	0.170	2.736	635.200
176	8.800	28.871	66.820	66.830	1.995	1.680	2.985	365.200
177	8.850	29.035	55.040	55.105	1.398	10.480	2.537	225.100
178	8.900	29.199	53.130	53.181	1.379	8.110	2.593	156.900
179	8.950	29.363	66.780	66.832	2.062	8.300	3.085	113.500
180	9.000	29.527	62.490	62.592	2.046	16.270	3.269	99.100
181	9.050	29.691	73.820	73.934	1.954	18.260	2.643	91.500
182	9.100	29.855	26.130	27.041	1.724	145.990	6.375	64.800
183	9.150	30.019	33.360	33.518	1.519	25.350	4.532	60.200
184	9.200	30.183	32.120	32.252	1.018	21.220	3.156	65.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	24.220	24.348	0.788	20.500	3.236	62.200
186	9.300	30.511	38.980	39.133	0.860	24.440	2.198	53.900
187	9.350	30.675	36.340	36.439	0.926	15.790	2.541	48.600
188	9.400	30.840	32.090	32.197	0.994	17.100	3.087	47.100
189	9.450	31.004	53.150	53.301	1.349	24.240	2.531	48.300
190	9.500	31.168	69.800	69.880	1.349	12.870	1.930	37.000
191	9.550	31.332	26.230	26.367	1.160	22.010	4.399	47.600
192	9.600	31.496	29.270	29.339	0.741	11.100	2.526	53.800
193	9.650	31.660	36.390	36.401	0.835	1.700	2.294	54.700
194	9.700	31.824	45.850	45.872	0.301	3.520	0.656	52.000
195	9.750	31.988	54.190	54.188	0.320	-0.280	0.591	37.100
196	9.800	32.152	69.320	69.347	0.444	4.270	0.640	42.900
197	9.850	32.316	55.450	55.483	0.709	5.240	1.278	46.800
198	9.900	32.480	63.800	63.809	1.110	1.390	1.740	44.800
199	9.950	32.644	63.800	63.818	0.973	2.870	1.525	37.600
200	10.000	32.808	48.830	48.895	0.849	10.340	1.736	35.800
201	10.050	32.972	75.380	75.394	0.634	2.250	0.841	32.800
202	10.100	33.136	70.630	70.650	0.447	3.270	0.633	31.800
203	10.150	33.300	56.380	56.410	0.814	4.800	1.443	19.600
204	10.200	33.464	50.930	50.972	1.017	6.750	1.995	17.800
205	10.250	33.628	29.360	29.390	0.944	4.830	3.212	18.800
206	10.300	33.792	36.330	36.358	1.025	4.530	2.819	16.000
207	10.350	33.956	40.160	40.230	1.105	11.250	2.747	14.900
208	10.400	34.120	29.570	29.658	1.147	14.170	3.867	13.500
209	10.450	34.284	38.010	38.092	1.362	13.180	3.576	12.100
210	10.500	34.448	98.790	98.865	2.102	12.020	2.126	17.500
211	10.550	34.612	80.750	80.832	3.052	13.080	3.776	13.100
212	10.600	34.776	93.920	94.275	3.507	56.920	3.720	17.500
213	10.650	34.941	164.760	164.926	3.342	26.610	2.026	15.500
214	10.700	35.105	50.900	50.925	2.787	3.980	5.473	15.500
215	10.750	35.269	20.140	20.233	1.983	14.950	9.801	15.300
216	10.800	35.433	39.550	39.630	1.194	12.820	3.013	29.100
217	10.850	35.597	24.410	24.589	1.184	28.750	4.815	21.800
218	10.900	35.761	98.340	98.521	2.724	28.940	2.765	22.400
219	10.950	35.925	161.480	161.666	4.127	29.780	2.553	13.900
220	11.000	36.089	115.090	115.247	4.246	25.070	3.684	15.400
221	11.050	36.253	56.060	56.245	2.892	29.680	5.142	19.100
222	11.100	36.417	53.280	54.214	1.500	149.690	2.767	17.600
223	11.150	36.581	39.900	40.367	1.258	74.770	3.116	8.900
224	11.200	36.745	44.450	44.768	1.436	50.880	3.208	13.700
225	11.250	36.909	53.010	53.206	1.659	31.330	3.118	10.100
226	11.300	37.073	57.360	57.508	2.177	23.730	3.786	15.300
227	11.350	37.237	69.030	69.229	2.574	31.910	3.718	17.500
228	11.400	37.401	90.680	90.854	3.073	27.940	3.382	21.300
229	11.450	37.565	75.970	76.124	3.025	24.610	3.974	28.600
230	11.500	37.729	70.340	70.657	2.940	50.800	4.161	28.300
231	11.550	37.893	49.170	49.304	2.332	21.430	4.730	26.500
232	11.600	38.057	46.730	46.874	1.622	23.120	3.460	24.000
233	11.650	38.221	73.640	73.776	0.945	21.770	1.281	19.100
234	11.700	38.385	145.730	145.807	1.564	12.320	1.073	24.300
235	11.750	38.549	118.600	118.646	1.437	7.290	1.211	21.200
236	11.800	38.713	63.770	63.773	1.673	0.470	2.623	30.800
237	11.850	38.877	39.610	39.933	1.350	51.670	3.381	32.600
238	11.900	39.042	55.690	55.814	1.359	19.870	2.435	34.700
239	11.950	39.206	50.850	50.932	1.485	13.110	2.916	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	41.320	41.445	1.308	20.070	3.156	0.000
241	12.050	39.534	32.330	32.450	1.139	19.160	3.510	0.000
242	12.100	39.698	93.290	93.401	1.360	17.860	1.456	0.000
243	12.150	39.862	48.640	48.750	1.214	17.690	2.490	0.000
244	12.200	40.026	13.170	13.232	1.066	9.930	8.056	0.000
245	12.250	40.190	8.880	8.917	0.339	5.940	3.802	0.000
246	12.300	40.354	8.350	8.386	0.383	5.800	4.567	0.000
247	12.350	40.518	8.550	8.599	0.565	7.790	6.571	0.000
248	12.400	40.682	24.090	24.119	0.855	4.660	3.545	0.000
249	12.450	40.846	32.990	33.050	1.077	9.650	3.259	0.000
250	12.500	41.010	27.160	27.239	1.265	12.600	4.644	0.000
251	12.550	41.174	26.320	26.467	1.290	23.610	4.874	0.000
252	12.600	41.338	27.750	28.049	1.885	47.920	6.720	0.000
253	12.650	41.502	119.980	120.323	0.000	54.920	0.000	0.000
254	12.700	41.666	184.650	184.857	0.000	33.150	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221559
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-7-1
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-15-2013
CPT Time:	10:07
CPT File:	13-53075_GP7-1.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722152.972
Northing / Lat:	4294341.285
Elevation:	143.408
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	10.840	10.837	0.099	-0.420	0.914	41.500
2	0.100	0.328	23.400	23.398	0.107	-0.320	0.457	48.500
3	0.150	0.492	23.970	23.970	0.448	-0.060	1.869	60.600
4	0.200	0.656	27.350	27.349	0.528	-0.100	1.931	60.200
5	0.250	0.820	14.720	14.720	0.692	-0.040	4.701	78.200
6	0.300	0.984	25.120	25.125	0.676	0.810	2.691	75.100
7	0.350	1.148	30.490	30.496	0.654	0.930	2.145	73.900
8	0.400	1.312	33.370	33.373	0.602	0.450	1.804	98.500
9	0.450	1.476	40.470	40.471	0.501	0.220	1.238	89.600
10	0.500	1.640	42.330	42.332	0.498	0.310	1.176	77.500
11	0.550	1.804	43.990	43.991	0.451	0.110	1.025	76.600
12	0.600	1.968	40.420	40.420	0.384	-0.060	0.950	74.500
13	0.650	2.133	35.270	35.269	0.327	-0.190	0.927	68.900
14	0.700	2.297	29.790	29.789	0.229	-0.190	0.769	59.000
15	0.750	2.461	28.410	28.410	0.275	-0.010	0.968	55.000
16	0.800	2.625	32.730	32.730	0.432	0.070	1.320	44.800
17	0.850	2.789	21.530	21.530	0.404	0.030	1.876	41.900
18	0.900	2.953	13.660	13.662	0.277	0.280	2.028	31.700
19	0.950	3.117	25.190	25.192	0.202	0.280	0.802	31.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	35.210	35.212	0.633	0.380	1.798	26.600
21	1.050	3.445	47.550	47.556	0.944	0.920	1.985	24.400
22	1.100	3.609	12.070	12.103	0.806	5.350	6.659	19.900
23	1.150	3.773	16.580	16.605	0.339	4.060	2.042	14.600
24	1.200	3.937	31.870	31.890	0.283	3.220	0.887	14.500
25	1.250	4.101	67.670	67.682	0.593	1.990	0.876	13.000
26	1.300	4.265	86.480	86.493	0.585	2.130	0.676	16.500
27	1.350	4.429	101.960	101.976	0.192	2.510	0.188	10.100
28	1.400	4.593	121.080	121.133	0.101	8.430	0.083	14.500
29	1.450	4.757	108.720	108.787	0.780	10.760	0.717	16.100
30	1.500	4.921	139.430	139.488	1.053	9.340	0.755	12.700
31	1.550	5.085	135.390	135.425	0.316	5.630	0.233	19.700
32	1.600	5.249	156.540	156.566	0.339	4.120	0.217	21.000
33	1.650	5.413	184.960	184.973	1.071	2.120	0.579	16.500
34	1.700	5.577	197.830	197.840	0.769	1.610	0.389	26.000
35	1.750	5.741	224.750	224.764	2.729	2.200	1.214	35.900
36	1.800	5.905	176.280	176.305	3.033	4.070	1.720	49.300
37	1.850	6.069	38.830	38.831	2.922	0.130	7.525	62.900
38	1.900	6.234	12.300	12.302	1.148	0.380	9.332	82.800
39	1.950	6.398	15.630	15.649	0.341	3.090	2.179	67.900
40	2.000	6.562	18.900	18.887	0.338	-2.120	1.790	82.400
41	2.050	6.726	12.170	12.170	0.387	0.070	3.180	93.900
42	2.100	6.890	9.190	9.193	0.359	0.440	3.905	81.300
43	2.150	7.054	9.750	9.760	0.329	1.630	3.371	78.400
44	2.200	7.218	13.190	13.172	0.394	-2.900	2.991	70.400
45	2.250	7.382	14.560	14.601	0.485	6.610	3.322	97.000
46	2.300	7.546	25.480	25.510	0.460	4.830	1.803	86.800
47	2.350	7.710	54.160	54.142	0.552	-2.890	1.020	91.900
48	2.400	7.874	59.300	59.258	0.669	-6.750	1.129	103.400
49	2.450	8.038	60.590	60.538	0.521	-8.250	0.861	90.700
50	2.500	8.202	56.060	55.996	0.521	-10.250	0.930	87.300
51	2.550	8.366	47.020	46.951	0.648	-11.040	1.380	88.100
52	2.600	8.530	46.680	46.607	0.579	-11.650	1.242	84.000
53	2.650	8.694	30.020	29.945	0.661	-12.030	2.207	64.600
54	2.700	8.858	28.220	28.212	0.578	-1.260	2.049	52.500
55	2.750	9.022	16.440	16.438	0.755	-0.360	4.593	46.000
56	2.800	9.186	8.960	8.958	0.896	-0.260	10.002	38.700
57	2.850	9.350	22.800	22.799	0.544	-0.140	2.386	37.500
58	2.900	9.514	24.600	24.598	0.685	-0.280	2.785	30.500
59	2.950	9.678	54.160	54.156	0.544	-0.620	1.005	35.100
60	3.000	9.842	50.460	50.458	0.655	-0.280	1.298	40.600
61	3.050	10.006	18.070	18.059	0.736	-1.810	4.076	51.500
62	3.100	10.170	39.600	39.585	0.448	-2.370	1.132	54.900
63	3.150	10.335	50.330	50.329	0.308	-0.140	0.612	47.600
64	3.200	10.499	45.540	45.537	0.891	-0.420	1.957	69.800
65	3.250	10.663	82.350	82.345	0.772	-0.740	0.938	64.500
66	3.300	10.827	122.520	122.507	1.035	-2.080	0.845	59.600
67	3.350	10.991	145.870	145.861	2.229	-1.400	1.528	66.800
68	3.400	11.155	131.510	131.510	2.243	0.040	1.706	69.200
69	3.450	11.319	171.700	171.694	3.117	-1.030	1.815	66.200
70	3.500	11.483	137.550	137.549	2.421	-0.200	1.760	72.800
71	3.550	11.647	151.990	151.990	2.561	0.030	1.685	73.900
72	3.600	11.811	135.210	135.210	2.538	-0.070	1.877	73.800
73	3.650	11.975	158.930	158.927	3.520	-0.410	2.215	72.100
74	3.700	12.139	150.100	150.095	3.417	-0.780	2.277	72.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	88.230	88.229	2.947	-0.230	3.340	77.300
76	3.800	12.467	51.530	51.543	2.739	2.120	5.314	77.700
77	3.850	12.631	55.510	55.513	1.645	0.540	2.963	85.700
78	3.900	12.795	51.850	51.827	1.085	-3.660	2.093	66.200
79	3.950	12.959	50.950	50.917	0.925	-5.280	1.817	78.200
80	4.000	13.123	42.960	42.921	0.861	-6.180	2.006	69.100
81	4.050	13.287	36.840	36.788	0.856	-8.310	2.327	64.400
82	4.100	13.451	31.200	31.165	0.931	-5.550	2.987	62.800
83	4.150	13.615	25.930	25.896	0.859	-5.410	3.317	46.400
84	4.200	13.779	30.160	30.128	0.932	-5.070	3.093	38.100
85	4.250	13.943	45.990	45.973	1.265	-2.730	2.752	33.500
86	4.300	14.107	31.510	31.507	1.219	-0.520	3.869	24.500
87	4.350	14.271	19.320	19.325	1.133	0.750	5.863	39.700
88	4.400	14.436	14.500	14.498	0.720	-0.250	4.966	43.900
89	4.450	14.600	25.720	25.718	1.000	-0.330	3.888	53.200
90	4.500	14.764	39.620	39.613	1.285	-1.060	3.244	43.100
91	4.550	14.928	33.570	33.565	1.351	-0.730	4.025	43.500
92	4.600	15.092	27.730	27.724	1.276	-0.980	4.603	25.500
93	4.650	15.256	32.880	32.880	0.935	-0.050	2.844	29.300
94	4.700	15.420	16.480	16.482	0.778	0.350	4.720	37.200
95	4.750	15.584	14.840	14.835	0.418	-0.860	2.818	41.000
96	4.800	15.748	16.210	16.206	0.292	-0.660	1.802	43.200
97	4.850	15.912	18.440	18.436	0.221	-0.690	1.199	54.300
98	4.900	16.076	18.680	18.676	0.343	-0.650	1.837	75.900
99	4.950	16.240	20.830	20.829	0.499	-0.190	2.396	75.500
100	5.000	16.404	23.640	23.605	0.687	-5.600	2.910	64.100
101	5.050	16.568	24.650	24.593	0.888	-9.110	3.611	74.900
102	5.100	16.732	20.650	20.577	0.813	-11.740	3.951	80.500
103	5.150	16.896	27.720	27.646	0.602	-11.930	2.178	67.800
104	5.200	17.060	41.540	41.465	0.629	-11.940	1.517	64.900
105	5.250	17.224	23.220	23.179	0.621	-6.530	2.679	48.800
106	5.300	17.388	19.310	19.278	0.707	-5.070	3.667	50.800
107	5.350	17.552	24.710	24.677	0.632	-5.310	2.561	39.900
108	5.400	17.716	41.030	40.998	0.815	-5.160	1.988	26.800
109	5.450	17.880	32.230	32.212	0.776	-2.960	2.409	37.200
110	5.500	18.044	22.700	22.690	0.717	-1.540	3.160	32.000
111	5.550	18.208	17.710	17.703	0.538	-1.160	3.039	29.700
112	5.600	18.372	37.470	37.469	0.501	-0.180	1.337	28.600
113	5.650	18.537	32.470	32.459	0.567	-1.700	1.747	29.400
114	5.700	18.701	41.650	41.639	0.504	-1.730	1.210	28.300
115	5.750	18.865	18.590	18.585	0.584	-0.790	3.142	30.200
116	5.800	19.029	12.890	12.885	0.369	-0.830	2.864	29.200
117	5.850	19.193	24.390	24.387	0.292	-0.420	1.197	29.300
118	5.900	19.357	10.710	10.709	0.395	-0.230	3.689	25.000
119	5.950	19.521	8.290	8.294	0.321	0.660	3.870	27.600
120	6.000	19.685	23.110	23.118	0.874	1.290	3.781	20.800
121	6.050	19.849	73.710	73.711	1.217	0.100	1.651	18.700
122	6.100	20.013	62.710	62.737	1.492	4.270	2.378	16.500
123	6.150	20.177	57.330	57.337	1.956	1.150	3.411	17.000
124	6.200	20.341	32.630	32.636	1.387	0.900	4.250	17.600
125	6.250	20.505	26.550	26.548	1.290	-0.390	4.859	19.100
126	6.300	20.669	32.350	32.345	1.178	-0.870	3.642	13.400
127	6.350	20.833	33.890	33.879	1.176	-1.710	3.471	18.600
128	6.400	20.997	24.780	24.771	1.090	-1.520	4.400	17.500
129	6.450	21.161	44.680	44.676	1.000	-0.720	2.238	17.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	38.510	38.508	0.828	-0.360	2.150	13.400
131	6.550	21.489	24.730	24.728	1.397	-0.350	5.650	12.500
132	6.600	21.653	71.480	71.480	1.416	0.050	1.981	7.700
133	6.650	21.817	95.330	95.339	2.761	1.510	2.896	10.600
134	6.700	21.981	50.800	50.807	2.556	1.050	5.031	17.100
135	6.750	22.145	61.070	61.082	2.065	1.880	3.381	15.000
136	6.800	22.309	84.530	84.539	1.837	1.480	2.173	21.600
137	6.850	22.473	144.720	144.724	1.485	0.710	1.026	10.300
138	6.900	22.638	165.590	165.604	1.839	2.270	1.110	19.500
139	6.950	22.802	62.570	62.582	2.173	1.910	3.472	15.500
140	7.000	22.966	42.540	42.551	1.519	1.830	3.570	23.100
141	7.050	23.130	44.250	44.262	1.252	1.870	2.829	27.800
142	7.100	23.294	27.630	27.639	1.122	1.440	4.059	22.300
143	7.150	23.458	24.010	24.016	0.923	0.980	3.843	34.800
144	7.200	23.622	18.360	18.364	0.531	0.660	2.892	32.300
145	7.250	23.786	30.090	30.092	0.565	0.310	1.878	30.300
146	7.300	23.950	42.630	42.631	0.689	0.230	1.616	52.600
147	7.350	24.114	22.240	22.241	0.629	0.090	2.828	56.500
148	7.400	24.278	15.580	15.585	0.719	0.780	4.613	55.400
149	7.450	24.442	17.550	17.556	0.304	1.000	1.732	59.500
150	7.500	24.606	13.620	13.625	0.421	0.820	3.090	54.400
151	7.550	24.770	33.650	33.662	0.685	1.950	2.035	48.000
152	7.600	24.934	30.080	30.092	0.811	1.980	2.695	59.300
153	7.650	25.098	18.850	18.860	0.858	1.590	4.549	62.700
154	7.700	25.262	15.450	15.463	0.445	2.120	2.878	58.500
155	7.750	25.426	23.140	23.154	0.395	2.240	1.706	63.900
156	7.800	25.590	23.790	23.802	0.376	1.900	1.580	63.300
157	7.850	25.754	18.630	18.644	0.716	2.210	3.840	59.900
158	7.900	25.918	30.880	30.895	0.740	2.400	2.395	60.100
159	7.950	26.082	42.250	42.262	0.658	1.940	1.557	43.100
160	8.000	26.246	32.920	32.924	0.828	0.680	2.515	38.300
161	8.050	26.410	37.580	37.585	1.193	0.870	3.174	38.600
162	8.100	26.574	62.260	62.269	1.762	1.420	2.830	27.000
163	8.150	26.739	81.600	81.611	2.015	1.690	2.469	24.100
164	8.200	26.903	94.710	94.722	3.160	1.900	3.336	21.100
165	8.250	27.067	106.410	106.421	3.800	1.840	3.571	25.800
166	8.300	27.231	119.400	119.413	4.883	2.020	4.089	19.900
167	8.350	27.395	79.600	79.613	4.256	2.070	5.346	13.800
168	8.400	27.559	177.090	177.105	3.583	2.360	2.023	18.000
169	8.450	27.723	96.140	96.153	3.769	2.110	3.920	16.500
170	8.500	27.887	130.540	130.556	3.860	2.570	2.957	19.600
171	8.550	28.051	146.490	146.499	4.873	1.480	3.326	19.000
172	8.600	28.215	106.410	106.411	5.097	0.150	4.790	22.400
173	8.650	28.379	92.650	92.679	4.100	4.580	4.424	28.500
174	8.700	28.543	84.770	84.795	3.385	4.040	3.992	47.100
175	8.750	28.707	108.980	109.000	3.753	3.230	3.443	37.300
176	8.800	28.871	225.780	225.803	3.686	3.730	1.632	45.500
177	8.850	29.035	121.120	121.138	2.879	2.900	2.377	46.200
178	8.900	29.199	90.760	90.774	1.634	2.210	1.800	53.900
179	8.950	29.363	104.370	104.382	1.158	1.990	1.109	58.500
180	9.000	29.527	96.350	96.363	1.113	2.030	1.155	61.900
181	9.050	29.691	90.660	90.673	1.046	2.100	1.154	70.900
182	9.100	29.855	93.830	93.844	1.066	2.180	1.136	73.800
183	9.150	30.019	94.290	94.303	1.055	2.160	1.119	65.200
184	9.200	30.183	87.020	87.035	1.164	2.330	1.337	59.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	100.350	100.365	1.018	2.350	1.014	59.900
186	9.300	30.511	97.650	97.665	1.147	2.370	1.174	75.100
187	9.350	30.675	86.790	86.804	1.762	2.170	2.030	82.100
188	9.400	30.840	67.160	67.178	2.236	2.830	3.328	81.400
189	9.450	31.004	64.550	64.569	2.120	3.070	3.283	86.500
190	9.500	31.168	81.090	81.110	2.329	3.170	2.871	81.900
191	9.550	31.332	88.200	88.219	1.869	3.030	2.119	74.100
192	9.600	31.496	90.080	90.098	1.562	2.880	1.734	85.000
193	9.650	31.660	82.280	82.298	1.470	2.870	1.786	80.800
194	9.700	31.824	66.040	66.058	1.677	2.850	2.539	57.900
195	9.750	31.988	63.380	63.398	1.444	2.920	2.278	73.800
196	9.800	32.152	66.940	66.960	1.265	3.140	1.889	80.000
197	9.850	32.316	77.810	77.828	1.236	2.910	1.588	77.700
198	9.900	32.480	75.180	75.198	1.508	2.950	2.005	83.800
199	9.950	32.644	55.520	55.540	1.597	3.210	2.875	86.300
200	10.000	32.808	73.550	73.570	1.278	3.250	1.737	84.200
201	10.050	32.972	83.780	83.799	0.847	3.070	1.011	78.900
202	10.100	33.136	90.170	90.189	0.750	3.080	0.832	75.300
203	10.150	33.300	87.560	87.579	0.769	2.990	0.878	68.800
204	10.200	33.464	84.920	84.938	0.822	2.930	0.968	72.200
205	10.250	33.628	87.440	87.458	1.347	2.920	1.540	58.200
206	10.300	33.792	87.580	87.598	1.507	2.950	1.720	58.300
207	10.350	33.956	93.210	93.228	1.517	2.950	1.627	58.300
208	10.400	34.120	116.450	116.469	2.327	3.020	1.998	34.200
209	10.450	34.284	97.140	97.159	2.175	3.050	2.239	30.300
210	10.500	34.448	72.530	72.549	2.248	3.000	3.099	32.900
211	10.550	34.612	76.550	76.562	2.499	1.920	3.264	27.900
212	10.600	34.776	90.890	90.907	2.182	2.780	2.400	40.500
213	10.650	34.941	46.620	46.627	1.761	1.080	3.777	40.000
214	10.700	35.105	32.840	32.847	0.957	1.100	2.914	42.800
215	10.750	35.269	37.250	37.256	0.329	0.900	0.883	47.300
216	10.800	35.433	56.210	56.214	0.765	0.690	1.361	39.600
217	10.850	35.597	55.690	55.695	1.097	0.770	1.970	29.200
218	10.900	35.761	69.880	69.886	1.656	0.900	2.370	36.900
219	10.950	35.925	53.410	53.412	1.844	0.390	3.452	35.900
220	11.000	36.089	55.300	55.302	1.052	0.270	1.902	46.600
221	11.050	36.253	91.700	91.704	1.999	0.670	2.180	44.900
222	11.100	36.417	93.840	93.844	2.081	0.590	2.218	59.500
223	11.150	36.581	37.520	37.528	1.946	1.360	5.185	48.000
224	11.200	36.745	27.320	27.329	1.186	1.510	4.340	49.000
225	11.250	36.909	22.030	22.042	0.680	1.900	3.085	40.800
226	11.300	37.073	16.910	16.925	0.503	2.410	2.972	41.700
227	11.350	37.237	21.020	21.035	0.657	2.430	3.123	49.000
228	11.400	37.401	30.790	30.806	0.992	2.630	3.220	36.600
229	11.450	37.565	28.900	28.915	1.204	2.470	4.164	31.600
230	11.500	37.729	33.980	33.992	1.055	2.000	3.104	31.400
231	11.550	37.893	14.710	14.721	1.069	1.760	7.262	32.600
232	11.600	38.057	31.590	31.603	1.088	2.160	3.443	34.800
233	11.650	38.221	39.940	39.956	1.224	2.520	3.063	43.700
234	11.700	38.385	31.230	31.248	1.077	2.940	3.447	41.800
235	11.750	38.549	21.570	21.588	0.823	2.950	3.812	50.200
236	11.800	38.713	14.150	14.169	0.662	3.080	4.672	50.900
237	11.850	38.877	21.770	21.789	0.557	3.100	2.556	43.200
238	11.900	39.042	31.700	31.719	0.666	3.000	2.100	38.800
239	11.950	39.206	38.740	38.757	1.031	2.720	2.660	46.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	50.060	50.078	1.287	2.930	2.570	46.100
241	12.050	39.534	50.370	50.391	1.383	3.370	2.745	47.100
242	12.100	39.698	49.600	49.619	1.620	3.100	3.265	54.300
243	12.150	39.862	59.100	59.120	1.381	3.270	2.336	61.500
244	12.200	40.026	55.530	55.550	1.015	3.270	1.827	65.200
245	12.250	40.190	52.260	52.273	0.756	2.020	1.446	61.200
246	12.300	40.354	39.490	39.503	0.595	2.030	1.506	74.700
247	12.350	40.518	23.740	23.752	0.505	1.920	2.126	81.700
248	12.400	40.682	20.750	20.763	0.356	2.040	1.715	73.000
249	12.450	40.846	31.380	31.393	0.281	2.100	0.895	58.000
250	12.500	41.010	47.100	47.112	0.296	1.990	0.628	61.800
251	12.550	41.174	56.450	56.462	0.298	1.890	0.528	69.100
252	12.600	41.338	59.660	59.672	0.374	1.930	0.627	63.900
253	12.650	41.502	59.750	59.761	0.491	1.800	0.822	51.600
254	12.700	41.666	56.920	56.931	0.535	1.810	0.940	58.800
255	12.750	41.830	58.080	58.091	0.544	1.800	0.936	67.000
256	12.800	41.994	63.520	63.531	0.557	1.770	0.877	64.600
257	12.850	42.158	63.140	63.151	0.607	1.690	0.961	59.700
258	12.900	42.322	62.960	62.971	0.608	1.770	0.966	59.500
259	12.950	42.486	64.550	64.561	0.635	1.720	0.984	69.200
260	13.000	42.650	70.950	70.961	0.660	1.730	0.930	58.300
261	13.050	42.814	83.360	83.371	0.705	1.800	0.846	68.700
262	13.100	42.978	97.590	97.601	0.808	1.790	0.828	60.300
263	13.150	43.143	109.700	109.712	0.915	1.900	0.834	55.200
264	13.200	43.307	133.270	133.282	1.007	1.860	0.756	53.200
265	13.250	43.471	164.210	164.222	1.140	1.950	0.694	55.500
266	13.300	43.635	187.220	187.232	1.355	1.930	0.724	54.500
267	13.350	43.799	193.670	193.683	1.599	2.110	0.826	50.200
268	13.400	43.963	193.140	193.153	1.664	2.080	0.861	62.100
269	13.450	44.127	191.880	191.894	1.675	2.200	0.873	50.400
270	13.500	44.291	193.610	193.623	1.725	2.160	0.891	53.100
271	13.550	44.455	188.700	188.714	1.757	2.270	0.931	52.800
272	13.600	44.619	182.970	182.985	1.786	2.420	0.976	52.000
273	13.650	44.783	178.230	178.245	1.916	2.350	1.075	61.500
274	13.700	44.947	169.780	169.795	1.928	2.380	1.135	46.000
275	13.750	45.111	184.510	184.525	1.815	2.380	0.984	63.900
276	13.800	45.275	241.540	241.556	1.891	2.540	0.783	54.800
277	13.850	45.439	301.970	301.985	2.223	2.480	0.736	54.600
278	13.900	45.603	321.330	321.346	2.748	2.490	0.855	60.000
279	13.950	45.767	317.250	317.266	2.980	2.510	0.939	54.000
280	14.000	45.931	307.260	307.276	2.902	2.570	0.944	50.200
281	14.050	46.095	300.730	300.746	2.852	2.530	0.948	54.000
282	14.100	46.259	277.800	277.816	2.717	2.570	0.978	46.400
283	14.150	46.423	253.260	253.275	2.600	2.470	1.027	50.200
284	14.200	46.587	224.880	224.895	2.385	2.350	1.060	59.300
285	14.250	46.751	193.710	193.725	2.139	2.330	1.104	54.700
286	14.300	46.915	170.290	170.304	1.714	2.290	1.006	49.100
287	14.350	47.079	173.190	173.204	1.484	2.210	0.857	66.700
288	14.400	47.244	192.540	192.553	1.297	2.150	0.674	47.200
289	14.450	47.408	192.300	192.311	1.301	1.830	0.677	57.500
290	14.500	47.572	202.160	202.170	1.210	1.650	0.599	55.900
291	14.550	47.736	226.870	226.880	1.172	1.600	0.517	51.900
292	14.600	47.900	231.820	231.831	1.635	1.710	0.705	48.500
293	14.650	48.064	250.370	250.380	2.081	1.600	0.831	54.400
294	14.700	48.228	270.770	270.781	2.390	1.760	0.883	58.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	280.630	280.641	2.543	1.770	0.906	51.800
296	14.800	48.556	296.970	296.981	2.418	1.780	0.814	49.500
297	14.850	48.720	308.390	308.401	2.697	1.800	0.875	56.000
298	14.900	48.884	294.720	294.731	2.916	1.710	0.989	62.800
299	14.950	49.048	260.770	260.781	2.979	1.740	1.142	51.500
300	15.000	49.212	253.050	253.061	2.611	1.840	1.032	49.700
301	15.050	49.376	254.810	254.822	2.463	1.890	0.967	60.400
302	15.100	49.540	263.210	263.222	2.595	1.930	0.986	0.000
303	15.150	49.704	258.550	258.562	2.658	1.980	1.028	0.000
304	15.200	49.868	257.370	257.383	2.537	2.020	0.986	0.000
305	15.250	50.032	282.060	282.073	2.492	2.040	0.883	0.000
306	15.300	50.196	287.950	287.963	2.805	2.120	0.974	0.000
307	15.350	50.360	265.860	265.874	3.037	2.180	1.142	0.000
308	15.400	50.524	243.040	243.054	2.905	2.190	1.195	0.000
309	15.450	50.688	241.920	241.935	2.618	2.330	1.082	0.000
310	15.500	50.852	253.510	253.525	2.419	2.340	0.954	0.000
311	15.550	51.016	278.700	278.715	2.211	2.410	0.793	0.000
312	15.600	51.180	308.080	308.095	2.629	2.460	0.853	0.000
313	15.650	51.345	319.170	319.186	3.150	2.600	0.987	0.000
314	15.700	51.509	308.000	308.017	3.282	2.750	1.066	0.000
315	15.750	51.673	307.680	307.697	3.112	2.790	1.011	0.000
316	15.800	51.837	327.550	327.568	0.000	2.900	0.000	0.000
317	15.850	52.001	335.320	335.338	0.000	2.810	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221561
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-7-2
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-19-2013
CPT Time:	14:12
CPT File:	13-53075_GP7-2.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722140.912
Northing / Lat:	4294319.677
Elevation:	143.933
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	3.960	3.960	0.002	0.050	0.051	48.800
2	0.100	0.328	14.510	14.510	0.143	0.070	0.985	55.300
3	0.150	0.492	28.670	28.671	0.287	0.210	1.001	57.700
4	0.200	0.656	40.900	40.900	0.461	-0.020	1.127	65.600
5	0.250	0.820	41.090	41.092	0.526	0.330	1.280	80.200
6	0.300	0.984	15.160	15.164	0.534	0.590	3.522	77.000
7	0.350	1.148	13.070	13.073	0.375	0.480	2.869	77.400
8	0.400	1.312	14.770	14.773	0.420	0.510	2.843	93.700
9	0.450	1.476	28.420	28.424	0.549	0.680	1.931	90.800
10	0.500	1.640	47.010	47.018	0.605	1.300	1.287	87.600
11	0.550	1.804	66.660	66.670	0.688	1.580	1.032	88.500
12	0.600	1.968	48.470	48.477	0.493	1.160	1.017	85.900
13	0.650	2.133	46.970	46.976	0.336	0.930	0.715	82.300
14	0.700	2.297	35.080	35.084	0.511	0.650	1.457	80.100
15	0.750	2.461	29.950	29.954	0.515	0.590	1.719	76.400
16	0.800	2.625	21.540	21.542	0.375	0.400	1.741	75.000
17	0.850	2.789	128.320	128.323	1.276	0.560	0.994	65.600
18	0.900	2.953	128.630	128.635	1.733	0.780	1.347	60.200
19	0.950	3.117	58.330	58.331	1.661	0.140	2.848	47.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	29.850	29.859	0.918	1.460	3.074	27.700
21	1.050	3.445	25.160	25.163	0.848	0.530	3.370	43.700
22	1.100	3.609	94.660	94.673	1.734	2.060	1.832	38.400
23	1.150	3.773	99.200	99.218	2.288	2.920	2.306	44.400
24	1.200	3.937	66.550	66.565	2.265	2.400	3.403	60.000
25	1.250	4.101	103.530	103.531	1.750	0.100	1.690	68.700
26	1.300	4.265	48.070	48.071	1.174	0.120	2.442	91.700
27	1.350	4.429	27.750	27.770	0.886	3.250	3.190	88.500
28	1.400	4.593	47.900	47.860	0.766	-6.360	1.600	94.900
29	1.450	4.757	45.280	45.219	0.869	-9.790	1.922	96.100
30	1.500	4.921	43.620	43.549	0.656	-11.340	1.506	100.200
31	1.550	5.085	41.530	41.454	0.738	-12.110	1.780	88.100
32	1.600	5.249	39.420	39.375	0.699	-7.140	1.775	86.400
33	1.650	5.413	40.120	40.104	0.714	-2.590	1.780	88.300
34	1.700	5.577	35.640	35.616	0.670	-3.790	1.881	86.100
35	1.750	5.741	25.880	25.841	0.665	-6.280	2.573	77.000
36	1.800	5.905	16.910	16.852	0.683	-9.260	4.053	51.800
37	1.850	6.069	15.250	15.194	0.398	-8.990	2.619	48.400
38	1.900	6.234	29.430	29.378	0.359	-8.260	1.222	40.200
39	1.950	6.398	23.890	23.888	0.458	-0.260	1.917	36.300
40	2.000	6.562	12.800	12.799	0.621	-0.210	4.852	31.100
41	2.050	6.726	38.670	38.668	0.495	-0.330	1.280	32.800
42	2.100	6.890	35.040	35.041	0.829	0.160	2.366	26.800
43	2.150	7.054	37.040	37.042	0.887	0.290	2.395	29.200
44	2.200	7.218	21.250	21.266	0.568	2.560	2.671	34.000
45	2.250	7.382	39.510	39.506	0.615	-0.620	1.557	38.800
46	2.300	7.546	36.900	36.896	0.581	-0.640	1.575	50.100
47	2.350	7.710	9.020	9.024	0.516	0.580	5.718	61.000
48	2.400	7.874	4.710	4.751	0.499	6.530	10.504	51.900
49	2.450	8.038	5.780	5.788	0.198	1.240	3.421	55.700
50	2.500	8.202	9.070	9.071	0.177	0.200	1.951	58.300
51	2.550	8.366	10.000	10.000	0.410	0.070	4.100	53.100
52	2.600	8.530	20.850	20.851	0.371	0.190	1.779	67.000
53	2.650	8.694	11.590	11.603	0.429	2.070	3.697	68.900
54	2.700	8.858	15.470	15.480	0.351	1.590	2.267	84.100
55	2.750	9.022	15.290	15.314	0.404	3.820	2.638	82.000
56	2.800	9.186	26.460	26.497	0.548	5.990	2.068	83.200
57	2.850	9.350	39.690	39.695	0.613	0.840	1.544	64.200
58	2.900	9.514	40.520	40.481	0.871	-6.210	2.152	45.600
59	2.950	9.678	31.390	31.348	0.986	-6.720	3.145	45.000
60	3.000	9.842	16.950	16.907	0.861	-6.910	5.093	51.300
61	3.050	10.006	21.030	20.991	0.583	-6.320	2.777	48.800
62	3.100	10.170	18.300	18.260	0.410	-6.350	2.245	55.700
63	3.150	10.335	17.370	17.367	0.340	-0.490	1.958	64.400
64	3.200	10.499	20.930	20.929	0.448	-0.150	2.141	83.900
65	3.250	10.663	11.790	11.792	0.516	0.250	4.376	75.300
66	3.300	10.827	17.520	17.534	0.569	2.320	3.245	61.400
67	3.350	10.991	21.030	21.040	0.479	1.570	2.277	45.800
68	3.400	11.155	17.010	17.012	0.540	0.390	3.174	41.900
69	3.450	11.319	21.710	21.709	0.730	-0.100	3.363	44.500
70	3.500	11.483	33.640	33.638	1.123	-0.310	3.338	44.200
71	3.550	11.647	45.700	45.698	1.017	-0.390	2.226	48.100
72	3.600	11.811	22.090	22.091	1.230	0.140	5.568	54.500
73	3.650	11.975	19.660	19.663	1.577	0.520	8.020	51.000
74	3.700	12.139	20.290	20.270	0.547	-3.200	2.699	59.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	10.990	11.000	0.468	1.600	4.255	48.000
76	3.800	12.467	7.370	7.376	0.396	0.980	5.369	40.000
77	3.850	12.631	20.900	20.908	0.364	1.340	1.741	43.100
78	3.900	12.795	22.460	22.463	0.598	0.510	2.662	34.100
79	3.950	12.959	18.090	18.094	0.622	0.570	3.438	34.600
80	4.000	13.123	14.930	14.940	0.616	1.650	4.123	36.900
81	4.050	13.287	12.480	12.490	0.384	1.560	3.075	36.600
82	4.100	13.451	14.110	14.118	0.654	1.300	4.632	58.300
83	4.150	13.615	51.420	51.423	0.851	0.550	1.655	69.400
84	4.200	13.779	24.980	24.997	1.169	2.670	4.677	81.100
85	4.250	13.943	21.860	21.874	0.892	2.230	4.078	81.000
86	4.300	14.107	10.860	10.887	0.689	4.350	6.329	80.800
87	4.350	14.271	13.010	13.046	0.574	5.700	4.400	90.700
88	4.400	14.436	17.900	17.938	0.657	6.080	3.663	90.400
89	4.450	14.600	22.930	22.962	0.826	5.150	3.597	89.400
90	4.500	14.764	41.610	41.643	0.715	5.210	1.717	86.000
91	4.550	14.928	53.110	53.136	0.836	4.220	1.573	84.800
92	4.600	15.092	57.800	57.808	0.910	1.320	1.574	90.500
93	4.650	15.256	57.440	57.441	1.292	0.110	2.249	85.100
94	4.700	15.420	62.200	62.167	1.192	-5.250	1.917	88.500
95	4.750	15.584	47.500	47.468	1.234	-5.190	2.600	90.500
96	4.800	15.748	41.990	41.955	1.090	-5.550	2.598	86.900
97	4.850	15.912	37.820	37.782	0.994	-6.110	2.631	80.500
98	4.900	16.076	39.750	39.713	0.864	-6.000	2.176	83.600
99	4.950	16.240	36.560	36.520	0.591	-6.330	1.618	83.300
100	5.000	16.404	34.490	34.451	0.735	-6.210	2.133	78.700
101	5.050	16.568	31.560	31.522	1.014	-6.020	3.217	74.300
102	5.100	16.732	49.840	49.805	1.506	-5.620	3.024	70.000
103	5.150	16.896	51.830	51.794	2.459	-5.810	4.748	59.800
104	5.200	17.060	52.750	52.710	2.462	-6.380	4.671	58.000
105	5.250	17.224	118.170	118.128	2.819	-6.710	2.386	49.600
106	5.300	17.388	170.560	170.556	3.445	-0.570	2.020	44.900
107	5.350	17.552	135.770	135.770	4.277	-0.080	3.150	43.500
108	5.400	17.716	119.830	119.828	1.408	-0.270	1.175	28.900
109	5.450	17.880	124.050	124.062	1.044	1.970	0.842	31.700
110	5.500	18.044	406.080	406.090	6.728	1.670	1.657	33.500
111	5.550	18.208	142.610	142.612	6.917	0.300	4.850	31.200
112	5.600	18.372	73.680	73.680	6.243	0.030	8.473	35.400
113	5.650	18.537	115.130	115.130	0.716	0.020	0.622	39.700
114	5.700	18.701	174.560	174.560	0.341	0.080	0.195	31.000
115	5.750	18.865	178.560	178.570	0.966	1.610	0.541	35.200
116	5.800	19.029	172.490	172.494	0.521	0.720	0.302	34.100
117	5.850	19.193	124.390	124.396	1.804	0.890	1.450	40.400
118	5.900	19.357	84.340	84.337	1.171	-0.420	1.388	41.200
119	5.950	19.521	42.060	42.060	0.905	0.070	2.152	52.300
120	6.000	19.685	44.350	44.353	1.092	0.460	2.462	42.700
121	6.050	19.849	16.940	16.940	0.646	-0.070	3.814	42.700
122	6.100	20.013	28.930	28.930	0.732	0.000	2.530	42.200
123	6.150	20.177	34.730	34.691	0.818	-6.260	2.358	34.400
124	6.200	20.341	36.060	36.039	0.723	-3.330	2.006	21.800
125	6.250	20.505	36.690	36.681	0.973	-1.490	2.653	22.000
126	6.300	20.669	47.580	47.577	1.200	-0.440	2.522	22.700
127	6.350	20.833	41.570	41.571	1.775	0.240	4.270	17.200
128	6.400	20.997	47.670	47.678	1.922	1.290	4.031	14.400
129	6.450	21.161	45.110	45.130	2.267	3.190	5.023	14.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	53.190	53.207	2.305	2.710	4.332	20.200
131	6.550	21.489	126.510	126.557	2.732	7.490	2.159	16.800
132	6.600	21.653	85.480	85.512	3.269	5.190	3.823	24.000
133	6.650	21.817	77.730	77.897	3.249	26.690	4.171	29.100
134	6.700	21.981	73.860	73.967	2.365	17.150	3.197	32.600
135	6.750	22.145	55.370	55.470	2.199	16.090	3.964	41.100
136	6.800	22.309	51.810	51.926	1.942	18.590	3.740	44.700
137	6.850	22.473	29.320	29.444	1.420	19.870	4.823	52.200
138	6.900	22.638	24.720	24.826	0.829	16.980	3.339	63.000
139	6.950	22.802	19.680	19.779	0.662	15.850	3.347	62.000
140	7.000	22.966	11.640	11.735	0.479	15.180	4.082	67.500
141	7.050	23.130	10.650	10.744	0.497	15.130	4.626	61.600
142	7.100	23.294	19.610	19.702	0.572	14.800	2.903	52.800
143	7.150	23.458	23.690	23.777	0.668	13.870	2.809	43.800
144	7.200	23.622	41.450	41.532	0.957	13.150	2.304	37.000
145	7.250	23.786	41.750	41.828	0.733	12.550	1.752	33.900
146	7.300	23.950	24.710	24.782	0.953	11.490	3.846	34.200
147	7.350	24.114	29.750	29.819	0.876	11.100	2.938	39.400
148	7.400	24.278	33.790	33.858	1.221	10.970	3.606	38.400
149	7.450	24.442	48.350	48.409	1.319	9.450	2.725	36.100
150	7.500	24.606	58.450	58.513	2.145	10.170	3.666	31.600
151	7.550	24.770	102.820	102.878	2.090	9.270	2.032	32.400
152	7.600	24.934	149.340	149.386	1.674	7.320	1.121	27.000
153	7.650	25.098	93.180	93.207	1.657	4.350	1.778	32.100
154	7.700	25.262	42.130	42.211	1.707	12.930	4.044	35.700
155	7.750	25.426	82.870	82.978	2.590	17.230	3.121	31.700
156	7.800	25.590	108.900	108.959	1.963	9.460	1.802	27.800
157	7.850	25.754	121.250	121.279	1.681	4.580	1.386	15.100
158	7.900	25.918	132.130	132.161	3.500	4.990	2.648	15.800
159	7.950	26.082	74.190	74.229	3.289	6.170	4.431	13.000
160	8.000	26.246	47.800	47.828	2.352	4.500	4.918	12.500
161	8.050	26.410	72.610	72.645	1.553	5.600	2.138	17.200
162	8.100	26.574	181.060	181.062	2.094	0.400	1.157	18.000
163	8.150	26.739	115.640	115.659	2.781	3.040	2.404	14.700
164	8.200	26.903	83.670	83.685	2.645	2.380	3.161	15.600
165	8.250	27.067	95.670	95.693	2.319	3.650	2.423	17.800
166	8.300	27.231	73.120	73.157	2.608	5.950	3.565	23.800
167	8.350	27.395	61.900	61.942	2.994	6.760	4.834	25.600
168	8.400	27.559	44.660	44.701	2.043	6.530	4.570	26.800
169	8.450	27.723	87.340	87.393	2.531	8.520	2.896	31.400
170	8.500	27.887	69.800	69.838	2.210	6.150	3.164	32.800
171	8.550	28.051	49.790	49.829	2.385	6.170	4.786	42.600
172	8.600	28.215	31.660	31.705	1.599	7.160	5.043	54.600
173	8.650	28.379	42.940	42.987	1.367	7.550	3.180	57.500
174	8.700	28.543	31.990	32.038	1.122	7.660	3.502	69.700
175	8.750	28.707	25.690	25.737	0.965	7.460	3.750	71.000
176	8.800	28.871	18.350	18.396	0.978	7.440	5.316	69.000
177	8.850	29.035	21.140	21.184	0.916	7.100	4.324	66.900
178	8.900	29.199	57.170	57.214	0.909	7.120	1.589	54.400
179	8.950	29.363	57.650	57.695	1.068	7.230	1.851	67.800
180	9.000	29.527	84.600	84.645	1.346	7.280	1.590	64.300
181	9.050	29.691	72.550	72.591	1.447	6.540	1.993	54.400
182	9.100	29.855	61.350	61.392	1.238	6.660	2.017	56.800
183	9.150	30.019	66.680	66.725	1.181	7.260	1.770	53.200
184	9.200	30.183	70.210	70.254	1.429	7.030	2.034	53.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	29.090	29.132	1.438	6.760	4.936	46.600
186	9.300	30.511	33.430	33.475	1.393	7.130	4.161	30.400
187	9.350	30.675	70.500	70.545	1.470	7.250	2.084	33.100
188	9.400	30.840	59.990	60.037	1.770	7.490	2.948	21.600
189	9.450	31.004	42.660	42.707	1.641	7.550	3.842	23.400
190	9.500	31.168	40.360	40.407	1.360	7.540	3.366	19.000
191	9.550	31.332	46.420	46.465	1.411	7.250	3.037	13.000
192	9.600	31.496	28.690	28.735	1.291	7.210	4.493	17.600
193	9.650	31.660	31.020	31.061	1.247	6.620	4.015	13.100
194	9.700	31.824	20.200	20.239	0.875	6.300	4.323	13.500
195	9.750	31.988	25.620	25.661	0.780	6.590	3.040	13.200
196	9.800	32.152	18.810	18.852	0.566	6.670	3.002	13.500
197	9.850	32.316	15.930	15.969	0.416	6.270	2.605	18.400
198	9.900	32.480	33.770	33.810	0.580	6.390	1.715	21.300
199	9.950	32.644	26.730	26.770	1.087	6.420	4.061	23.800
200	10.000	32.808	22.860	22.904	0.836	7.060	3.650	29.700
201	10.050	32.972	17.620	17.664	0.633	7.070	3.584	36.500
202	10.100	33.136	7.970	8.016	0.553	7.320	6.899	44.900
203	10.150	33.300	10.130	10.191	0.662	9.790	6.496	46.800
204	10.200	33.464	15.840	15.904	0.602	10.280	3.785	49.200
205	10.250	33.628	44.580	44.649	0.927	11.060	2.076	57.500
206	10.300	33.792	161.800	161.869	1.478	11.100	0.913	53.600
207	10.350	33.956	206.690	206.761	2.483	11.360	1.201	65.900
208	10.400	34.120	198.580	198.651	3.002	11.390	1.511	58.400
209	10.450	34.284	142.500	142.572	3.001	11.570	2.105	46.200
210	10.500	34.448	112.210	112.282	2.329	11.540	2.074	40.700
211	10.550	34.612	75.740	75.811	2.150	11.430	2.836	37.000
212	10.600	34.776	51.190	51.259	1.977	11.070	3.857	23.400
213	10.650	34.941	51.800	51.869	1.702	10.980	3.281	33.600
214	10.700	35.105	39.610	39.677	1.518	10.790	3.826	39.100
215	10.750	35.269	38.550	38.615	1.353	10.450	3.504	33.900
216	10.800	35.433	41.200	41.259	1.108	9.530	2.685	35.600
217	10.850	35.597	41.460	41.512	1.052	8.350	2.534	46.000
218	10.900	35.761	22.560	22.608	1.037	7.700	4.587	44.300
219	10.950	35.925	17.150	17.208	0.841	9.240	4.887	52.700
220	11.000	36.089	15.370	15.426	0.724	8.960	4.693	58.400
221	11.050	36.253	18.010	18.067	0.629	9.100	3.482	58.500
222	11.100	36.417	17.330	17.387	0.693	9.080	3.986	64.600
223	11.150	36.581	28.720	28.780	0.723	9.560	2.512	46.900
224	11.200	36.745	33.330	33.389	0.898	9.410	2.690	40.800
225	11.250	36.909	40.350	40.407	0.851	9.090	2.106	31.200
226	11.300	37.073	30.020	30.077	0.863	9.130	2.869	35.500
227	11.350	37.237	34.640	34.698	1.123	9.230	3.237	37.900
228	11.400	37.401	34.490	34.548	1.129	9.340	3.268	37.300
229	11.450	37.565	20.270	20.326	1.018	8.990	5.008	33.300
230	11.500	37.729	10.750	10.806	0.631	8.900	5.840	40.400
231	11.550	37.893	15.590	15.645	0.599	8.780	3.829	34.200
232	11.600	38.057	21.580	21.635	0.520	8.870	2.403	37.600
233	11.650	38.221	28.890	28.942	0.781	8.320	2.699	33.700
234	11.700	38.385	20.390	20.434	0.746	7.080	3.651	26.400
235	11.750	38.549	16.770	16.828	0.859	9.240	5.105	21.900
236	11.800	38.713	20.400	20.457	0.662	9.100	3.236	21.800
237	11.850	38.877	34.750	34.800	0.759	8.030	2.181	23.600
238	11.900	39.042	106.640	106.694	1.802	8.600	1.689	20.000
239	11.950	39.206	100.780	100.830	1.998	7.980	1.982	23.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	29.680	29.724	2.057	7.070	6.920	26.800
241	12.050	39.534	21.990	22.056	2.077	10.610	9.417	22.200
242	12.100	39.698	23.380	23.445	0.987	10.480	4.210	19.800
243	12.150	39.862	18.900	18.967	1.042	10.730	5.494	22.400
244	12.200	40.026	19.140	19.204	1.018	10.330	5.301	20.700
245	12.250	40.190	38.640	38.704	1.486	10.290	3.839	24.500
246	12.300	40.354	57.140	57.220	1.435	12.860	2.508	27.400
247	12.350	40.518	55.690	55.771	1.715	13.050	3.075	33.000
248	12.400	40.682	58.720	58.800	2.145	12.890	3.648	37.800
249	12.450	40.846	66.370	66.429	2.414	9.410	3.634	39.700
250	12.500	41.010	39.350	39.408	2.040	9.310	5.177	57.600
251	12.550	41.174	25.140	25.202	1.546	9.960	6.134	55.600
252	12.600	41.338	54.410	54.510	1.024	15.950	1.879	61.600
253	12.650	41.502	77.510	77.586	1.300	12.180	1.676	69.700
254	12.700	41.666	60.590	60.662	1.891	11.590	3.117	68.500
255	12.750	41.830	44.820	44.894	1.617	11.890	3.602	60.800
256	12.800	41.994	71.270	71.349	1.738	12.730	2.436	56.800
257	12.850	42.158	119.800	119.887	1.917	13.880	1.599	50.400
258	12.900	42.322	107.600	107.683	2.008	13.260	1.865	47.200
259	12.950	42.486	111.280	111.361	2.053	12.960	1.844	45.200
260	13.000	42.650	104.010	104.091	2.822	12.980	2.711	38.400
261	13.050	42.814	93.700	93.784	3.515	13.520	3.748	33.100
262	13.100	42.978	102.680	102.768	3.135	14.120	3.051	39.600
263	13.150	43.143	75.820	75.900	2.561	12.880	3.374	36.700
264	13.200	43.307	75.210	75.291	2.026	12.900	2.691	34.200
265	13.250	43.471	58.870	58.951	1.679	12.960	2.848	30.000
266	13.300	43.635	44.820	44.900	1.056	12.780	2.352	21.400
267	13.350	43.799	61.680	61.761	1.335	12.980	2.162	14.800
268	13.400	43.963	133.020	133.097	1.871	12.300	1.406	19.800
269	13.450	44.127	79.990	80.082	1.860	14.700	2.323	17.900
270	13.500	44.291	44.900	44.991	1.519	14.630	3.376	15.800
271	13.550	44.455	25.520	25.606	0.707	13.810	2.761	16.400
272	13.600	44.619	55.800	55.871	1.738	11.390	3.111	16.600
273	13.650	44.783	188.160	188.232	1.873	11.490	0.995	17.100
274	13.700	44.947	349.200	349.277	2.659	12.280	0.761	14.000
275	13.750	45.111	89.850	89.944	3.552	15.070	3.949	13.000
276	13.800	45.275	77.500	77.583	2.588	13.330	3.336	15.000
277	13.850	45.439	69.900	69.984	2.114	13.470	3.021	15.100
278	13.900	45.603	48.030	48.112	1.760	13.130	3.658	16.900
279	13.950	45.767	38.270	38.353	1.659	13.220	4.326	15.400
280	14.000	45.931	47.480	47.563	1.062	13.230	2.233	26.300
281	14.050	46.095	13.880	13.960	0.850	12.840	6.089	28.800
282	14.100	46.259	39.750	39.831	1.091	12.900	2.739	40.600
283	14.150	46.423	61.980	62.061	1.450	12.980	2.336	46.900
284	14.200	46.587	115.870	115.951	1.413	13.020	1.219	53.400
285	14.250	46.751	145.400	145.481	1.566	13.020	1.076	50.200
286	14.300	46.915	179.340	179.422	1.664	13.070	0.927	57.000
287	14.350	47.079	185.850	185.931	2.110	13.050	1.135	66.800
288	14.400	47.244	200.710	200.791	2.493	13.020	1.242	62.800
289	14.450	47.408	212.940	213.022	2.670	13.110	1.253	64.200
290	14.500	47.572	231.420	231.502	2.495	13.090	1.078	0.000
291	14.550	47.736	241.410	241.492	2.706	13.150	1.121	0.000
292	14.600	47.900	254.970	255.052	2.720	13.090	1.066	0.000
293	14.650	48.064	261.190	261.272	3.015	13.170	1.154	0.000
294	14.700	48.228	257.630	257.712	3.277	13.190	1.272	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	250.950	251.033	3.484	13.220	1.388	0.000
296	14.800	48.556	237.970	238.053	3.543	13.350	1.488	0.000
297	14.850	48.720	222.200	222.283	3.443	13.340	1.549	0.000
298	14.900	48.884	208.790	208.874	3.361	13.420	1.609	0.000
299	14.950	49.048	201.130	201.214	3.204	13.490	1.592	0.000
300	15.000	49.212	194.100	194.184	2.924	13.530	1.506	0.000
301	15.050	49.376	194.360	194.445	2.616	13.540	1.345	0.000
302	15.100	49.540	200.160	200.245	2.507	13.590	1.252	0.000
303	15.150	49.704	212.900	212.985	2.526	13.690	1.186	0.000
304	15.200	49.868	222.240	222.326	0.000	13.730	0.000	0.000
305	15.250	50.032	227.580	227.665	0.000	13.660	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221562
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-7-3
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-16-2013
CPT Time:	10:00
CPT File:	13-53075_GP7-3.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722153.381
Northing / Lat:	4294297.848
Elevation:	145.953
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
1	0.050	0.164	1.510	1.510	0.005	0.050	0.331	26.400
2	0.100	0.328	11.870	11.871	0.068	0.090	0.573	23.800
3	0.150	0.492	63.400	63.403	0.112	0.410	0.177	31.400
4	0.200	0.656	71.530	71.534	0.208	0.620	0.291	36.100
5	0.250	0.820	66.170	66.172	0.205	0.270	0.310	38.800
6	0.300	0.984	71.000	71.001	0.441	0.210	0.621	35.000
7	0.350	1.148	63.280	63.284	0.212	0.610	0.335	40.400
8	0.400	1.312	55.220	55.226	0.268	0.900	0.485	38.800
9	0.450	1.476	60.740	60.745	0.670	0.750	1.103	44.900
10	0.500	1.640	54.730	54.735	0.701	0.730	1.281	53.600
11	0.550	1.804	130.680	130.678	0.863	-0.400	0.660	61.700
12	0.600	1.968	173.270	173.281	0.697	1.750	0.402	59.300
13	0.650	2.133	160.260	160.264	0.930	0.590	0.580	64.200
14	0.700	2.297	114.240	114.240	1.554	-0.010	1.360	76.400
15	0.750	2.461	98.860	98.871	1.956	1.740	1.978	80.500
16	0.800	2.625	61.800	61.834	2.860	5.490	4.625	77.700
17	0.850	2.789	72.130	72.121	1.982	-1.390	2.748	88.000
18	0.900	2.953	108.180	108.177	2.172	-0.560	2.008	74.400
19	0.950	3.117	76.020	76.022	1.154	0.360	1.518	82.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	66.440	66.446	0.999	0.930	1.503	89.000
21	1.050	3.445	55.630	55.626	0.999	-0.690	1.796	72.200
22	1.100	3.609	42.330	42.334	0.992	0.610	2.343	87.700
23	1.150	3.773	36.780	36.786	0.899	1.030	2.444	79.600
24	1.200	3.937	31.650	31.661	0.919	1.830	2.903	66.800
25	1.250	4.101	26.720	26.706	0.847	-2.250	3.172	80.100
26	1.300	4.265	22.400	22.384	0.832	-2.500	3.717	89.300
27	1.350	4.429	17.720	17.713	0.742	-1.160	4.189	80.000
28	1.400	4.593	20.200	20.193	0.718	-1.200	3.556	99.100
29	1.450	4.757	19.060	19.056	0.653	-0.720	3.427	89.500
30	1.500	4.921	17.030	17.026	0.532	-0.720	3.125	74.200
31	1.550	5.085	17.880	17.879	0.399	-0.130	2.232	80.000
32	1.600	5.249	18.900	18.905	0.438	0.770	2.317	86.100
33	1.650	5.413	28.380	28.393	0.599	2.080	2.110	81.800
34	1.700	5.577	35.160	35.143	0.714	-2.750	2.032	98.600
35	1.750	5.741	31.200	31.184	0.776	-2.540	2.488	86.100
36	1.800	5.905	28.230	28.215	0.787	-2.340	2.789	86.700
37	1.850	6.069	23.160	23.146	0.692	-2.220	2.990	94.600
38	1.900	6.234	19.490	19.480	0.586	-1.600	3.008	87.000
39	1.950	6.398	18.670	18.659	0.556	-1.730	2.980	77.200
40	2.000	6.562	15.450	15.433	0.524	-2.700	3.395	77.900
41	2.050	6.726	12.690	12.673	0.520	-2.690	4.103	82.100
42	2.100	6.890	11.940	11.919	0.393	-3.360	3.297	53.100
43	2.150	7.054	16.880	16.853	0.278	-4.310	1.650	60.300
44	2.200	7.218	37.850	37.847	0.252	-0.520	0.666	44.700
45	2.250	7.382	62.140	62.144	0.443	0.570	0.713	54.200
46	2.300	7.546	19.970	19.984	0.477	2.240	2.387	45.000
47	2.350	7.710	7.980	7.989	0.337	1.370	4.219	60.200
48	2.400	7.874	3.980	3.981	0.197	0.180	4.948	55.500
49	2.450	8.038	3.290	3.295	0.119	0.730	3.612	71.900
50	2.500	8.202	14.900	14.919	0.158	3.120	1.059	75.700
51	2.550	8.366	16.490	16.507	0.278	2.740	1.684	80.600
52	2.600	8.530	22.790	22.743	0.604	-7.560	2.656	86.000
53	2.650	8.694	45.330	45.291	0.817	-6.170	1.804	93.000
54	2.700	8.858	60.900	60.848	1.253	-8.340	2.059	82.500
55	2.750	9.022	60.010	59.950	1.183	-9.610	1.973	79.700
56	2.800	9.186	41.840	41.780	0.831	-9.660	1.989	95.400
57	2.850	9.350	21.490	21.492	0.532	0.400	2.475	77.200
58	2.900	9.514	18.820	18.823	0.363	0.450	1.929	61.100
59	2.950	9.678	21.330	21.332	0.456	0.310	2.138	53.600
60	3.000	9.842	31.030	31.024	0.629	-0.980	2.027	54.500
61	3.050	10.006	21.380	21.402	0.672	3.470	3.140	41.900
62	3.100	10.170	18.730	18.734	0.659	0.590	3.518	35.000
63	3.150	10.335	18.130	18.138	0.583	1.260	3.214	34.200
64	3.200	10.499	12.850	12.849	0.689	-0.130	5.362	32.200
65	3.250	10.663	20.720	20.736	0.925	2.570	4.461	26.900
66	3.300	10.827	19.180	19.187	0.748	1.170	3.898	22.700
67	3.350	10.991	11.700	11.701	0.839	0.150	7.170	16.500
68	3.400	11.155	13.000	13.004	0.687	0.630	5.283	24.700
69	3.450	11.319	15.640	15.643	0.529	0.550	3.382	19.700
70	3.500	11.483	19.710	19.711	0.549	0.190	2.785	30.800
71	3.550	11.647	14.940	14.937	0.413	-0.510	2.765	20.000
72	3.600	11.811	8.020	8.020	0.257	0.050	3.204	23.600
73	3.650	11.975	7.000	7.003	0.117	0.480	1.671	19.500
74	3.700	12.139	11.660	11.660	0.170	0.030	1.458	33.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	24.510	24.513	0.146	0.410	0.596	41.300
76	3.800	12.467	15.620	15.638	0.233	2.870	1.490	45.900
77	3.850	12.631	14.670	14.694	0.166	3.870	1.130	47.900
78	3.900	12.795	16.160	16.170	0.144	1.660	0.891	45.800
79	3.950	12.959	12.590	12.609	0.079	3.040	0.627	49.000
80	4.000	13.123	11.610	11.626	0.155	2.620	1.333	33.100
81	4.050	13.287	18.920	18.937	0.303	2.790	1.600	26.100
82	4.100	13.451	26.330	26.368	1.120	6.100	4.248	22.800
83	4.150	13.615	80.610	80.628	1.437	2.850	1.782	16.700
84	4.200	13.779	40.990	40.993	1.789	0.410	4.364	11.800
85	4.250	13.943	31.800	31.817	1.404	2.650	4.413	10.900
86	4.300	14.107	26.050	26.047	1.148	-0.500	4.407	14.400
87	4.350	14.271	39.920	39.924	0.888	0.650	2.224	16.600
88	4.400	14.436	34.680	34.687	0.756	1.070	2.180	7.700
89	4.450	14.600	26.070	26.084	0.626	2.260	2.400	12.600
90	4.500	14.764	23.730	23.751	0.539	3.290	2.269	19.600
91	4.550	14.928	13.940	13.949	0.348	1.400	2.495	22.000
92	4.600	15.092	20.680	20.691	0.382	1.750	1.846	25.600
93	4.650	15.256	32.180	32.188	0.254	1.260	0.789	26.200
94	4.700	15.420	12.230	12.239	0.448	1.420	3.660	29.400
95	4.750	15.584	21.480	21.489	0.334	1.510	1.554	37.300
96	4.800	15.748	16.230	16.244	0.379	2.280	2.333	43.000
97	4.850	15.912	23.100	23.106	0.370	0.890	1.601	41.800
98	4.900	16.076	34.380	34.381	0.500	0.100	1.454	46.000
99	4.950	16.240	23.810	23.830	0.612	3.130	2.568	53.900
100	5.000	16.404	24.770	24.794	0.570	3.890	2.299	65.000
101	5.050	16.568	27.040	27.069	0.614	4.620	2.268	76.400
102	5.100	16.732	65.190	65.241	0.729	8.220	1.117	79.100
103	5.150	16.896	75.680	75.692	1.085	1.990	1.433	68.100
104	5.200	17.060	84.200	84.231	1.494	4.920	1.774	88.900
105	5.250	17.224	56.070	56.056	1.515	-2.180	2.703	78.500
106	5.300	17.388	46.920	46.902	1.212	-2.900	2.584	81.300
107	5.350	17.552	41.420	41.442	1.181	3.540	2.850	73.600
108	5.400	17.716	19.700	19.787	0.971	13.890	4.907	90.100
109	5.450	17.880	23.950	24.071	0.891	19.460	3.701	82.600
110	5.500	18.044	30.250	30.372	0.798	19.500	2.627	73.900
111	5.550	18.208	24.380	24.476	0.953	15.440	3.894	64.800
112	5.600	18.372	16.440	16.472	0.817	5.120	4.960	55.900
113	5.650	18.537	19.250	19.242	0.694	-1.280	3.607	48.700
114	5.700	18.701	34.410	34.402	0.641	-1.300	1.863	38.900
115	5.750	18.865	50.800	50.808	1.013	1.340	1.994	45.700
116	5.800	19.029	59.730	59.724	1.098	-1.010	1.838	39.500
117	5.850	19.193	22.770	22.783	0.881	2.140	3.867	55.600
118	5.900	19.357	21.930	21.945	0.721	2.340	3.286	54.800
119	5.950	19.521	22.980	22.987	0.290	1.050	1.262	58.100
120	6.000	19.685	39.500	39.499	0.247	-0.240	0.625	47.100
121	6.050	19.849	10.130	10.133	0.287	0.410	2.832	42.300
122	6.100	20.013	11.660	11.664	0.473	0.600	4.055	33.600
123	6.150	20.177	36.150	36.153	0.770	0.510	2.130	36.200
124	6.200	20.341	43.850	43.862	0.909	2.000	2.072	39.000
125	6.250	20.505	83.010	83.019	2.029	1.500	2.444	30.000
126	6.300	20.669	97.950	97.979	2.454	4.710	2.505	28.300
127	6.350	20.833	113.260	113.285	3.171	4.010	2.799	39.500
128	6.400	20.997	79.810	79.813	2.291	0.500	2.870	47.500
129	6.450	21.161	15.500	15.518	1.464	2.810	9.434	58.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	10.630	10.659	0.591	4.580	5.545	73.200
131	6.550	21.489	6.930	6.962	0.160	5.120	2.298	59.700
132	6.600	21.653	7.230	7.262	0.212	5.090	2.919	68.000
133	6.650	21.817	11.830	11.863	0.274	5.350	2.310	53.600
134	6.700	21.981	18.650	18.672	0.377	3.540	2.019	44.700
135	6.750	22.145	25.100	25.112	0.545	1.990	2.170	37.700
136	6.800	22.309	39.170	39.174	0.669	0.580	1.708	37.800
137	6.850	22.473	15.900	15.904	0.646	0.720	4.062	28.600
138	6.900	22.638	16.720	16.723	0.502	0.520	3.002	28.600
139	6.950	22.802	9.480	9.484	0.481	0.690	5.072	18.800
140	7.000	22.966	9.240	9.242	0.260	0.380	2.813	26.700
141	7.050	23.130	13.840	13.842	0.164	0.340	1.185	37.200
142	7.100	23.294	11.910	11.915	0.114	0.750	0.957	24.700
143	7.150	23.458	7.130	7.131	0.106	0.230	1.486	40.500
144	7.200	23.622	7.760	7.761	0.170	0.100	2.191	43.400
145	7.250	23.786	19.320	19.322	0.367	0.310	1.899	55.200
146	7.300	23.950	10.340	10.339	0.348	-0.220	3.366	40.100
147	7.350	24.114	18.230	18.247	0.421	2.750	2.307	63.700
148	7.400	24.278	56.810	56.829	0.807	2.970	1.420	59.100
149	7.450	24.442	82.600	82.573	1.372	-4.380	1.662	59.600
150	7.500	24.606	80.400	80.387	2.007	-2.160	2.497	68.600
151	7.550	24.770	66.320	66.304	1.300	-2.580	1.961	63.800
152	7.600	24.934	53.540	53.529	1.579	-1.820	2.950	49.600
153	7.650	25.098	39.890	39.861	1.031	-4.570	2.586	50.400
154	7.700	25.262	37.950	37.920	1.476	-4.850	3.892	57.000
155	7.750	25.426	44.700	44.669	1.202	-4.910	2.691	43.100
156	7.800	25.590	42.770	42.777	1.071	1.140	2.504	58.000
157	7.850	25.754	50.580	50.587	1.058	1.170	2.091	54.400
158	7.900	25.918	62.650	62.658	0.716	1.250	1.143	53.100
159	7.950	26.082	39.910	39.922	0.757	1.850	1.896	37.600
160	8.000	26.246	29.680	29.689	0.655	1.430	2.206	38.000
161	8.050	26.410	34.130	34.135	0.694	0.750	2.033	37.800
162	8.100	26.574	36.560	36.560	0.602	-0.040	1.647	14.500
163	8.150	26.739	64.410	64.411	0.453	0.140	0.703	20.200
164	8.200	26.903	64.060	64.061	0.535	0.160	0.835	25.900
165	8.250	27.067	83.200	83.199	0.635	-0.190	0.763	17.700
166	8.300	27.231	94.840	94.838	0.910	-0.270	0.960	27.100
167	8.350	27.395	42.550	42.552	0.991	0.350	2.329	27.800
168	8.400	27.559	21.840	21.844	0.825	0.620	3.777	20.800
169	8.450	27.723	22.830	22.838	0.639	1.350	2.798	29.300
170	8.500	27.887	18.430	18.435	0.759	0.870	4.117	30.400
171	8.550	28.051	28.010	28.016	0.833	1.040	2.973	36.000
172	8.600	28.215	23.260	23.253	1.100	-1.130	4.731	22.400
173	8.650	28.379	32.650	32.639	1.041	-1.740	3.189	28.800
174	8.700	28.543	32.120	32.117	1.114	-0.500	3.469	28.000
175	8.750	28.707	45.180	45.170	1.165	-1.620	2.579	33.100
176	8.800	28.871	39.020	39.031	1.265	1.790	3.241	42.000
177	8.850	29.035	35.560	35.580	1.310	3.280	3.682	42.600
178	8.900	29.199	38.340	38.350	0.957	1.600	2.495	34.200
179	8.950	29.363	49.530	49.636	0.928	16.900	1.870	41.300
180	9.000	29.527	66.960	66.997	0.724	5.970	1.081	33.100
181	9.050	29.691	80.010	80.035	0.953	4.050	1.191	38.000
182	9.100	29.855	52.900	52.922	1.132	3.480	2.139	32.700
183	9.150	30.019	32.750	32.773	1.067	3.740	3.256	33.000
184	9.200	30.183	15.290	15.301	0.913	1.810	5.967	22.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	33.260	33.267	1.191	1.170	3.580	27.100
186	9.300	30.511	48.260	48.282	1.519	3.600	3.146	45.300
187	9.350	30.675	35.780	35.795	1.636	2.350	4.571	32.400
188	9.400	30.840	33.790	33.812	1.611	3.470	4.765	37.100
189	9.450	31.004	46.030	46.055	1.600	3.950	3.474	44.100
190	9.500	31.168	67.320	67.344	1.940	3.870	2.881	40.800
191	9.550	31.332	173.770	173.783	1.782	2.050	1.025	39.800
192	9.600	31.496	177.910	177.912	1.850	0.370	1.040	52.400
193	9.650	31.660	76.960	76.964	2.066	0.690	2.684	47.400
194	9.700	31.824	51.630	51.659	2.221	4.650	4.299	59.100
195	9.750	31.988	61.670	61.702	1.623	5.200	2.630	47.600
196	9.800	32.152	91.930	91.917	1.369	-2.040	1.489	36.300
197	9.850	32.316	80.260	80.260	1.448	-0.020	1.804	33.400
198	9.900	32.480	74.830	74.830	1.776	-0.030	2.373	30.000
199	9.950	32.644	42.810	42.823	1.447	2.150	3.379	19.400
200	10.000	32.808	49.700	49.718	1.670	2.900	3.359	31.000
201	10.050	32.972	47.660	47.662	1.202	0.250	2.522	29.300
202	10.100	33.136	40.630	40.631	1.018	0.140	2.505	32.200
203	10.150	33.300	58.010	58.007	0.908	-0.410	1.565	32.900
204	10.200	33.464	32.490	32.486	0.903	-0.690	2.780	27.000
205	10.250	33.628	41.660	41.665	1.215	0.850	2.916	21.500
206	10.300	33.792	77.140	77.142	1.563	0.260	2.026	32.700
207	10.350	33.956	42.910	42.910	1.540	0.000	3.589	46.900
208	10.400	34.120	22.090	22.088	1.375	-0.370	6.225	45.900
209	10.450	34.284	39.190	39.198	1.401	1.320	3.574	67.600
210	10.500	34.448	48.540	48.571	1.229	4.930	2.530	62.600
211	10.550	34.612	54.860	54.899	1.186	6.220	2.160	67.400
212	10.600	34.776	53.260	53.279	1.169	3.090	2.194	61.500
213	10.650	34.941	40.860	40.871	1.174	1.700	2.872	41.600
214	10.700	35.105	48.430	48.446	2.047	2.620	4.225	27.900
215	10.750	35.269	100.230	100.250	2.579	3.170	2.573	25.600
216	10.800	35.433	97.640	97.657	2.852	2.700	2.920	20.200
217	10.850	35.597	61.430	61.452	2.214	3.470	3.603	14.100
218	10.900	35.761	69.550	69.579	2.215	4.580	3.183	10.900
219	10.950	35.925	153.020	153.052	2.121	5.160	1.386	8.400
220	11.000	36.089	76.310	76.337	2.916	4.300	3.820	16.800
221	11.050	36.253	64.300	64.331	2.496	4.900	3.880	15.500
222	11.100	36.417	63.130	63.164	2.137	5.500	3.383	28.900
223	11.150	36.581	81.640	81.666	1.761	4.240	2.156	30.900
224	11.200	36.745	52.610	52.637	1.564	4.370	2.971	34.100
225	11.250	36.909	35.040	35.071	1.374	4.910	3.918	46.100
226	11.300	37.073	49.530	49.562	1.067	5.060	2.153	38.700
227	11.350	37.237	65.870	65.899	0.763	4.610	1.158	37.400
228	11.400	37.401	65.370	65.389	1.206	3.050	1.844	34.200
229	11.450	37.565	86.050	86.070	0.987	3.170	1.147	35.500
230	11.500	37.729	52.960	52.982	1.366	3.520	2.578	36.100
231	11.550	37.893	42.500	42.523	1.745	3.730	4.104	18.400
232	11.600	38.057	44.930	44.960	1.280	4.860	2.847	17.800
233	11.650	38.221	45.550	45.583	1.241	5.210	2.723	16.000
234	11.700	38.385	58.810	58.838	1.480	4.420	2.515	16.000
235	11.750	38.549	37.660	37.695	1.799	5.640	4.772	17.200
236	11.800	38.713	33.090	33.136	1.475	7.370	4.451	19.300
237	11.850	38.877	31.360	31.415	1.287	8.740	4.097	21.600
238	11.900	39.042	41.270	41.327	2.122	9.090	5.135	27.000
239	11.950	39.206	104.570	104.633	2.622	10.170	2.506	40.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	67.210	67.280	2.926	11.180	4.349	54.500
241	12.050	39.534	56.690	56.754	2.024	10.310	3.566	122.100
242	12.100	39.698	34.380	34.441	1.348	9.760	3.914	168.800
243	12.150	39.862	29.820	29.878	0.836	9.310	2.798	180.100
244	12.200	40.026	25.160	25.213	0.778	8.460	3.086	209.300
245	12.250	40.190	25.330	25.375	0.740	7.130	2.916	157.800
246	12.300	40.354	23.780	23.817	0.664	5.940	2.788	101.100
247	12.350	40.518	29.610	29.667	0.608	9.110	2.049	83.700
248	12.400	40.682	24.950	25.010	0.520	9.610	2.079	83.500
249	12.450	40.846	23.830	23.894	0.510	10.250	2.134	93.700
250	12.500	41.010	18.660	18.727	0.545	10.800	2.910	87.500
251	12.550	41.174	20.420	20.489	0.519	11.060	2.533	84.500
252	12.600	41.338	21.860	21.929	0.646	11.100	2.946	80.600
253	12.650	41.502	25.590	25.658	0.766	10.930	2.985	78.000
254	12.700	41.666	21.300	21.369	0.807	11.040	3.777	83.500
255	12.750	41.830	14.590	14.658	0.759	10.930	5.178	86.400
256	12.800	41.994	13.670	13.739	0.538	11.020	3.916	74.900
257	12.850	42.158	12.520	12.589	0.466	11.070	3.702	83.200
258	12.900	42.322	12.260	12.328	0.336	10.860	2.726	75.800
259	12.950	42.486	21.730	21.793	0.309	10.020	1.418	76.500
260	13.000	42.650	20.500	20.559	0.317	9.410	1.542	81.600
261	13.050	42.814	22.530	22.591	0.483	9.730	2.138	70.700
262	13.100	42.978	22.680	22.742	0.473	10.010	2.080	76.200
263	13.150	43.143	56.640	56.706	0.525	10.630	0.926	73.300
264	13.200	43.307	82.140	82.201	0.967	9.710	1.176	64.800
265	13.250	43.471	79.540	79.598	1.501	9.350	1.886	45.400
266	13.300	43.635	50.160	50.223	1.900	10.070	3.783	36.900
267	13.350	43.799	54.450	54.513	2.098	10.040	3.849	29.900
268	13.400	43.963	45.640	45.711	2.129	11.410	4.657	20.700
269	13.450	44.127	41.090	41.162	1.816	11.510	4.412	20.000
270	13.500	44.291	28.910	28.968	1.325	9.290	4.574	12.500
271	13.550	44.455	16.330	16.376	1.004	7.410	6.131	12.900
272	13.600	44.619	34.440	34.482	0.882	6.740	2.558	14.900
273	13.650	44.783	42.220	42.251	0.946	4.900	2.239	10.400
274	13.700	44.947	40.230	40.261	1.030	4.950	2.558	8.000
275	13.750	45.111	46.230	46.256	1.597	4.170	3.453	16.500
276	13.800	45.275	67.560	67.585	1.744	4.060	2.580	16.600
277	13.850	45.439	51.180	51.209	2.491	4.580	4.864	19.500
278	13.900	45.603	51.660	51.688	2.672	4.410	5.170	21.600
279	13.950	45.767	38.090	38.126	2.584	5.760	6.778	20.300
280	14.000	45.931	108.690	108.728	2.363	6.160	2.173	15.000
281	14.050	46.095	57.400	57.435	2.445	5.580	4.257	15.500
282	14.100	46.259	55.260	55.296	2.213	5.720	4.002	13.700
283	14.150	46.423	53.140	53.177	1.498	5.890	2.817	10.600
284	14.200	46.587	18.810	18.843	0.806	5.250	4.278	12.900
285	14.250	46.751	7.980	8.005	0.361	4.040	4.510	12.000
286	14.300	46.915	6.720	6.744	0.474	3.880	7.028	10.000
287	14.350	47.079	18.290	18.314	1.014	3.840	5.537	13.900
288	14.400	47.244	33.260	33.289	1.171	4.620	3.518	14.700
289	14.450	47.408	37.490	37.522	1.493	5.170	3.979	12.700
290	14.500	47.572	44.660	44.692	1.628	5.050	3.643	17.800
291	14.550	47.736	43.700	43.734	1.961	5.410	4.484	19.200
292	14.600	47.900	61.860	61.899	2.290	6.210	3.700	17.400
293	14.650	48.064	73.840	73.881	2.643	6.610	3.577	20.300
294	14.700	48.228	58.830	58.872	2.100	6.780	3.567	29.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	78.440	78.479	1.609	6.190	2.050	31.700
296	14.800	48.556	74.360	74.398	1.062	6.010	1.427	40.200
297	14.850	48.720	62.440	62.476	1.061	5.840	1.698	43.900
298	14.900	48.884	57.220	57.256	1.205	5.800	2.105	36.900
299	14.950	49.048	45.240	45.277	1.377	5.850	3.041	34.400
300	15.000	49.212	22.220	22.258	1.349	6.150	6.061	39.200
301	15.050	49.376	19.990	20.027	1.007	5.850	5.028	46.200
302	15.100	49.540	31.000	31.037	1.010	5.950	3.254	48.000
303	15.150	49.704	30.160	30.198	1.200	6.080	3.974	47.500
304	15.200	49.868	27.220	27.261	1.236	6.600	4.534	51.500
305	15.250	50.032	57.980	58.026	1.172	7.370	2.020	42.700
306	15.300	50.196	136.710	136.756	1.371	7.390	1.003	49.400
307	15.350	50.360	187.510	187.555	1.717	7.280	0.915	53.700
308	15.400	50.524	244.790	244.836	2.155	7.380	0.880	53.400
309	15.450	50.688	279.040	279.087	2.774	7.490	0.994	58.000
310	15.500	50.852	307.200	307.247	3.475	7.550	1.131	53.000
311	15.550	51.016	334.550	334.598	3.766	7.700	1.126	58.000
312	15.600	51.180	326.250	326.299	4.231	7.770	1.297	61.300
313	15.650	51.345	321.460	321.512	4.140	8.370	1.288	56.300
314	15.700	51.509	330.210	330.263	4.028	8.470	1.220	64.700
315	15.750	51.673	303.010	303.063	4.009	8.540	1.323	61.500
316	15.800	51.837	284.070	284.124	3.865	8.650	1.360	53.100
317	15.850	52.001	283.440	283.495	3.567	8.760	1.258	0.000
318	15.900	52.165	287.530	287.586	3.515	8.900	1.222	0.000
319	15.950	52.329	294.620	294.677	3.529	9.060	1.198	0.000
320	16.000	52.493	289.780	289.837	3.500	9.060	1.208	0.000
321	16.050	52.657	292.840	292.897	3.489	9.140	1.191	0.000
322	16.100	52.821	297.550	297.608	3.420	9.330	1.149	0.000
323	16.150	52.985	306.740	306.799	3.490	9.410	1.138	0.000
324	16.200	53.149	303.730	303.790	3.647	9.570	1.201	0.000
325	16.250	53.313	293.530	293.590	3.790	9.660	1.291	0.000
326	16.300	53.477	271.840	271.901	3.774	9.820	1.388	0.000
327	16.350	53.641	253.650	253.711	3.639	9.750	1.434	0.000
328	16.400	53.805	249.440	249.501	3.402	9.750	1.364	0.000
329	16.450	53.969	249.890	249.951	3.249	9.820	1.300	0.000
330	16.500	54.133	251.990	252.051	3.241	9.770	1.286	0.000
331	16.550	54.297	247.060	247.121	0.000	9.790	0.000	0.000
332	16.600	54.461	227.070	227.131	0.000	9.820	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221564
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-8-1
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-15-2013
CPT Time:	15:02
CPT File:	13-53075_GP8-1.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722170.918
Northing / Lat:	4294306.315
Elevation:	146.106
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	28.470	28.471	0.000	0.240	0.000	30.300
2	0.100	0.328	57.120	57.121	0.067	0.090	0.117	34.700
3	0.150	0.492	68.290	68.291	0.279	0.180	0.409	44.300
4	0.200	0.656	59.830	59.835	0.326	0.860	0.545	53.300
5	0.250	0.820	54.490	54.495	0.396	0.740	0.727	64.000
6	0.300	0.984	57.800	57.804	0.525	0.630	0.908	71.900
7	0.350	1.148	21.890	21.909	0.621	3.040	2.834	75.400
8	0.400	1.312	17.520	17.534	0.627	2.170	3.576	88.100
9	0.450	1.476	18.270	18.275	0.542	0.740	2.966	96.100
10	0.500	1.640	27.500	27.508	0.822	1.210	2.988	91.800
11	0.550	1.804	51.970	51.974	0.864	0.670	1.662	105.600
12	0.600	1.968	51.780	51.785	1.323	0.780	2.555	87.100
13	0.650	2.133	61.870	61.871	1.270	0.170	2.053	98.900
14	0.700	2.297	73.330	73.332	1.244	0.390	1.696	98.500
15	0.750	2.461	85.950	85.954	1.613	0.680	1.877	90.000
16	0.800	2.625	69.280	69.300	1.641	3.260	2.368	94.500
17	0.850	2.789	88.970	88.977	2.017	1.090	2.267	90.600
18	0.900	2.953	125.440	125.458	2.079	2.920	1.657	86.100
19	0.950	3.117	135.120	135.135	2.113	2.330	1.564	74.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	115.090	115.105	2.492	2.360	2.165	74.900
21	1.050	3.445	94.660	94.671	2.926	1.760	3.091	77.800
22	1.100	3.609	102.780	102.803	2.639	3.730	2.567	76.900
23	1.150	3.773	86.050	86.079	2.680	4.590	3.113	71.500
24	1.200	3.937	79.040	79.049	1.987	1.430	2.514	68.100
25	1.250	4.101	55.790	55.790	1.900	-0.010	3.406	74.600
26	1.300	4.265	48.990	48.980	1.762	-1.540	3.597	66.300
27	1.350	4.429	25.770	25.779	1.390	1.510	5.392	68.000
28	1.400	4.593	27.270	27.307	1.343	5.960	4.918	62.300
29	1.450	4.757	57.870	57.899	1.370	4.720	2.366	70.900
30	1.500	4.921	51.940	51.907	1.789	-5.300	3.447	67.200
31	1.550	5.085	41.980	41.945	1.701	-5.540	4.055	80.700
32	1.600	5.249	30.460	30.432	1.168	-4.540	3.838	69.700
33	1.650	5.413	21.450	21.414	0.828	-5.790	3.867	90.400
34	1.700	5.577	19.750	19.714	0.723	-5.780	3.667	86.700
35	1.750	5.741	22.450	22.415	0.571	-5.610	2.547	85.800
36	1.800	5.905	28.860	28.850	0.576	-1.670	1.997	81.900
37	1.850	6.069	27.800	27.801	0.602	0.170	2.165	89.300
38	1.900	6.234	22.830	22.827	0.593	-0.540	2.598	76.200
39	1.950	6.398	21.120	21.117	0.547	-0.460	2.590	91.800
40	2.000	6.562	23.560	23.557	0.493	-0.410	2.093	80.000
41	2.050	6.726	21.010	21.014	0.525	0.700	2.498	85.000
42	2.100	6.890	25.710	25.714	0.549	0.640	2.135	87.800
43	2.150	7.054	38.760	38.763	0.537	0.480	1.385	84.900
44	2.200	7.218	53.500	53.499	0.566	-0.190	1.058	92.200
45	2.250	7.382	54.550	54.541	0.519	-1.440	0.952	101.100
46	2.300	7.546	47.570	47.555	0.666	-2.460	1.400	73.300
47	2.350	7.710	34.410	34.381	0.730	-4.610	2.123	81.000
48	2.400	7.874	27.110	27.081	0.824	-4.720	3.043	71.800
49	2.450	8.038	44.360	44.337	0.692	-3.620	1.561	91.100
50	2.500	8.202	59.480	59.454	0.798	-4.140	1.342	83.600
51	2.550	8.366	69.290	69.254	1.109	-5.780	1.601	81.400
52	2.600	8.530	65.780	65.746	1.418	-5.490	2.157	84.200
53	2.650	8.694	62.270	62.235	1.528	-5.670	2.455	72.400
54	2.700	8.858	55.170	55.115	1.374	-8.860	2.493	70.700
55	2.750	9.022	35.390	35.326	1.105	-10.290	3.128	59.500
56	2.800	9.186	16.280	16.215	0.592	-10.460	3.651	44.700
57	2.850	9.350	34.930	34.918	0.507	-1.940	1.452	41.100
58	2.900	9.514	42.390	42.389	0.511	-0.170	1.206	34.200
59	2.950	9.678	52.130	52.130	0.584	0.050	1.120	28.000
60	3.000	9.842	85.530	85.541	0.913	1.710	1.067	28.400
61	3.050	10.006	105.670	105.680	1.530	1.670	1.448	28.900
62	3.100	10.170	118.490	118.504	2.091	2.200	1.765	26.700
63	3.150	10.335	109.010	109.019	1.913	1.480	1.755	29.500
64	3.200	10.499	88.630	88.636	1.767	1.040	1.994	25.800
65	3.250	10.663	81.360	81.370	1.817	1.570	2.233	24.700
66	3.300	10.827	59.320	59.327	1.432	1.100	2.414	30.500
67	3.350	10.991	25.600	25.598	1.054	-0.360	4.118	29.200
68	3.400	11.155	53.970	53.972	0.914	0.250	1.693	28.600
69	3.450	11.319	30.050	30.052	0.513	0.390	1.707	25.500
70	3.500	11.483	47.350	47.354	0.878	0.660	1.854	27.200
71	3.550	11.647	70.610	70.614	0.804	0.700	1.139	34.700
72	3.600	11.811	31.120	31.118	0.921	-0.270	2.960	32.400
73	3.650	11.975	25.000	24.998	0.647	-0.310	2.588	25.600
74	3.700	12.139	22.420	22.435	0.589	2.450	2.625	41.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	20.330	20.342	0.524	1.970	2.576	54.500
76	3.800	12.467	15.000	15.013	0.476	2.060	3.171	56.300
77	3.850	12.631	12.050	12.060	0.374	1.580	3.101	54.900
78	3.900	12.795	12.820	12.799	0.297	-3.330	2.320	69.700
79	3.950	12.959	9.360	9.323	0.304	-5.890	3.261	72.600
80	4.000	13.123	10.050	10.072	0.439	3.460	4.359	82.300
81	4.050	13.287	24.300	24.304	1.097	0.680	4.514	94.800
82	4.100	13.451	46.530	46.520	1.165	-1.660	2.504	76.000
83	4.150	13.615	15.380	15.380	1.052	0.070	6.840	89.000
84	4.200	13.779	16.010	16.020	0.736	1.660	4.594	108.600
85	4.250	13.943	14.180	14.192	0.226	1.860	1.592	103.300
86	4.300	14.107	9.620	9.624	0.381	0.690	3.959	84.800
87	4.350	14.271	28.660	28.671	0.860	1.750	3.000	96.100
88	4.400	14.436	49.370	49.382	1.218	1.860	2.467	93.000
89	4.450	14.600	62.620	62.633	1.156	2.030	1.846	95.600
90	4.500	14.764	59.940	59.922	1.077	-2.850	1.797	99.600
91	4.550	14.928	42.540	42.486	0.962	-8.650	2.264	104.400
92	4.600	15.092	28.430	28.366	0.942	-10.310	3.321	76.000
93	4.650	15.256	18.710	18.634	0.743	-12.120	3.987	96.100
94	4.700	15.420	16.000	15.924	0.495	-12.170	3.109	73.000
95	4.750	15.584	15.120	15.136	0.399	2.600	2.636	65.100
96	4.800	15.748	15.020	15.034	0.477	2.200	3.173	61.800
97	4.850	15.912	11.410	11.424	0.570	2.300	4.989	66.500
98	4.900	16.076	29.750	29.769	0.710	3.020	2.385	83.200
99	4.950	16.240	65.790	65.794	0.872	0.580	1.325	92.500
100	5.000	16.404	57.140	57.132	1.000	-1.210	1.750	81.500
101	5.050	16.568	51.480	51.471	1.253	-1.430	2.434	71.000
102	5.100	16.732	53.700	53.670	1.286	-4.820	2.396	73.000
103	5.150	16.896	20.070	20.027	1.182	-6.850	5.902	50.600
104	5.200	17.060	51.240	51.213	1.390	-4.390	2.714	48.500
105	5.250	17.224	33.880	33.866	1.024	-2.250	3.024	33.900
106	5.300	17.388	50.050	50.050	1.223	-0.080	2.444	29.500
107	5.350	17.552	68.400	68.398	1.315	-0.270	1.923	26.900
108	5.400	17.716	59.150	59.149	1.534	-0.140	2.593	30.400
109	5.450	17.880	33.150	33.147	1.226	-0.480	3.699	29.500
110	5.500	18.044	20.460	20.458	0.747	-0.280	3.651	36.800
111	5.550	18.208	27.890	27.889	0.661	-0.110	2.370	37.000
112	5.600	18.372	26.110	26.111	0.631	0.150	2.417	32.000
113	5.650	18.537	15.550	15.554	0.603	0.700	3.877	49.400
114	5.700	18.701	19.810	19.815	0.645	0.850	3.255	46.200
115	5.750	18.865	23.390	23.403	0.480	2.120	2.051	48.600
116	5.800	19.029	11.900	11.898	0.493	-0.280	4.143	55.500
117	5.850	19.193	6.530	6.532	0.253	0.350	3.873	55.700
118	5.900	19.357	16.090	16.093	0.166	0.550	1.031	62.300
119	5.950	19.521	19.720	19.724	0.134	0.690	0.679	72.600
120	6.000	19.685	18.610	18.613	0.125	0.490	0.672	62.400
121	6.050	19.849	23.200	23.202	0.171	0.400	0.737	74.700
122	6.100	20.013	28.180	28.185	0.249	0.860	0.883	75.800
123	6.150	20.177	19.160	19.166	0.047	0.910	0.245	58.800
124	6.200	20.341	18.020	18.025	0.142	0.840	0.788	67.200
125	6.250	20.505	11.450	11.451	0.116	0.230	1.013	79.400
126	6.300	20.669	18.050	18.051	0.089	0.230	0.493	68.200
127	6.350	20.833	23.410	23.412	0.130	0.320	0.555	60.900
128	6.400	20.997	32.680	32.682	0.237	0.280	0.725	52.100
129	6.450	21.161	48.350	48.352	0.389	0.370	0.805	55.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	59.130	59.141	0.654	1.840	1.106	57.500
131	6.550	21.489	58.730	58.748	0.900	2.870	1.532	53.700
132	6.600	21.653	82.080	82.110	1.220	4.830	1.486	56.500
133	6.650	21.817	100.160	100.132	1.881	-4.420	1.879	41.300
134	6.700	21.981	179.980	179.963	1.305	-2.670	0.725	56.900
135	6.750	22.145	178.860	178.832	1.745	-4.440	0.976	53.300
136	6.800	22.309	150.980	150.981	1.357	0.110	0.899	60.900
137	6.850	22.473	138.640	138.642	0.682	0.270	0.492	69.700
138	6.900	22.638	227.580	227.583	1.175	0.500	0.516	68.900
139	6.950	22.802	255.400	255.404	1.951	0.680	0.764	62.800
140	7.000	22.966	143.000	143.002	3.094	0.280	2.164	65.200
141	7.050	23.130	102.740	102.764	3.054	3.860	2.972	50.800
142	7.100	23.294	72.250	72.286	3.046	5.750	4.214	55.000
143	7.150	23.458	70.800	70.840	2.333	6.470	3.293	56.300
144	7.200	23.622	73.210	73.248	1.956	6.130	2.670	54.500
145	7.250	23.786	61.270	61.304	1.900	5.470	3.099	36.300
146	7.300	23.950	48.890	48.922	1.579	5.050	3.228	53.100
147	7.350	24.114	54.870	54.902	1.740	5.170	3.169	64.100
148	7.400	24.278	62.510	62.536	1.942	4.150	3.105	73.200
149	7.450	24.442	57.050	57.084	1.568	5.520	2.747	64.100
150	7.500	24.606	70.880	70.918	1.486	6.150	2.095	62.100
151	7.550	24.770	74.190	74.216	1.590	4.100	2.142	47.100
152	7.600	24.934	65.860	65.890	1.537	4.780	2.333	41.600
153	7.650	25.098	58.830	58.860	1.376	4.840	2.338	44.100
154	7.700	25.262	20.070	20.094	1.180	3.830	5.872	41.600
155	7.750	25.426	27.550	27.569	1.360	3.080	4.933	40.200
156	7.800	25.590	49.700	49.723	1.559	3.630	3.135	49.400
157	7.850	25.754	36.720	36.748	1.713	4.550	4.661	38.300
158	7.900	25.918	30.990	31.010	1.422	3.180	4.586	57.500
159	7.950	26.082	24.920	24.924	1.052	0.600	4.221	45.600
160	8.000	26.246	29.870	29.873	1.290	0.420	4.318	33.800
161	8.050	26.410	69.160	69.162	1.297	0.380	1.875	41.800
162	8.100	26.574	62.310	62.303	1.839	-1.130	2.952	36.400
163	8.150	26.739	64.380	64.374	2.337	-0.930	3.630	32.600
164	8.200	26.903	76.640	76.642	2.415	0.300	3.151	28.500
165	8.250	27.067	80.990	80.997	2.146	1.150	2.649	30.200
166	8.300	27.231	75.720	75.732	2.820	1.940	3.724	30.000
167	8.350	27.395	150.700	150.720	2.137	3.140	1.418	50.300
168	8.400	27.559	223.620	223.666	2.427	7.290	1.085	47.000
169	8.450	27.723	126.480	126.576	3.094	15.380	2.444	54.300
170	8.500	27.887	80.720	80.796	2.109	12.140	2.610	74.600
171	8.550	28.051	46.330	46.347	1.278	2.790	2.757	84.600
172	8.600	28.215	40.860	40.871	0.920	1.760	2.251	124.100
173	8.650	28.379	26.650	26.668	0.605	2.940	2.269	141.700
174	8.700	28.543	23.240	23.260	0.382	3.240	1.642	192.700
175	8.750	28.707	32.350	32.369	0.525	3.030	1.622	229.200
176	8.800	28.871	21.460	21.472	0.701	1.910	3.265	309.800
177	8.850	29.035	23.900	23.916	0.803	2.640	3.358	330.900
178	8.900	29.199	27.170	27.190	0.876	3.130	3.222	309.300
179	8.950	29.363	42.130	42.145	0.947	2.340	2.247	224.300
180	9.000	29.527	42.650	42.655	1.095	0.810	2.567	155.600
181	9.050	29.691	63.500	63.519	1.631	3.110	2.568	96.200
182	9.100	29.855	37.980	37.996	1.272	2.590	3.348	80.000
183	9.150	30.019	31.860	31.874	1.192	2.250	3.740	61.100
184	9.200	30.183	29.840	29.855	0.724	2.460	2.425	60.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	27.720	27.741	0.805	3.400	2.902	38.000
186	9.300	30.511	31.160	31.172	0.774	1.920	2.483	29.300
187	9.350	30.675	22.120	22.132	0.906	1.870	4.094	25.400
188	9.400	30.840	26.720	26.736	1.151	2.590	4.305	20.500
189	9.450	31.004	23.270	23.280	0.874	1.570	3.754	25.200
190	9.500	31.168	37.250	37.254	1.259	0.710	3.379	20.900
191	9.550	31.332	42.080	42.078	1.101	-0.400	2.617	18.500
192	9.600	31.496	10.290	10.305	0.929	2.370	9.015	22.300
193	9.650	31.660	17.970	17.974	0.522	0.680	2.904	20.800
194	9.700	31.824	24.530	24.530	0.550	0.080	2.242	31.900
195	9.750	31.988	33.590	33.594	0.701	0.580	2.087	36.100
196	9.800	32.152	28.910	28.919	0.864	1.520	2.988	40.200
197	9.850	32.316	22.750	22.760	0.596	1.660	2.619	49.400
198	9.900	32.480	48.620	48.612	0.757	-1.210	1.557	60.500
199	9.950	32.644	38.450	38.439	0.882	-1.780	2.295	62.300
200	10.000	32.808	25.320	25.313	0.860	-1.170	3.398	65.700
201	10.050	32.972	24.020	24.019	0.763	-0.220	3.177	55.400
202	10.100	33.136	19.490	19.486	0.480	-0.590	2.463	42.200
203	10.150	33.300	14.150	14.153	0.674	0.410	4.762	32.300
204	10.200	33.464	62.460	62.463	0.875	0.430	1.401	24.800
205	10.250	33.628	71.030	71.036	1.558	0.970	2.193	26.600
206	10.300	33.792	41.430	41.436	1.416	0.890	3.417	17.900
207	10.350	33.956	30.870	30.876	1.609	0.960	5.211	14.500
208	10.400	34.120	33.350	33.355	1.335	0.780	4.002	20.200
209	10.450	34.284	84.610	84.620	1.545	1.640	1.826	21.900
210	10.500	34.448	50.160	50.170	1.828	1.640	3.644	26.900
211	10.550	34.612	37.000	37.017	1.151	2.650	3.109	31.300
212	10.600	34.776	58.300	58.313	1.047	2.130	1.795	26.200
213	10.650	34.941	34.300	34.310	1.323	1.680	3.856	24.600
214	10.700	35.105	43.030	43.049	1.504	2.990	3.494	28.700
215	10.750	35.269	83.340	83.360	2.239	3.210	2.686	30.200
216	10.800	35.433	54.740	54.758	2.498	2.860	4.562	37.100
217	10.850	35.597	66.090	66.103	2.130	2.080	3.222	42.800
218	10.900	35.761	35.990	36.003	1.804	2.100	5.011	42.000
219	10.950	35.925	32.550	32.574	1.034	3.900	3.174	43.300
220	11.000	36.089	51.800	51.828	0.637	4.460	1.229	33.300
221	11.050	36.253	49.220	49.246	0.779	4.110	1.582	23.000
222	11.100	36.417	18.600	18.622	0.683	3.560	3.668	26.100
223	11.150	36.581	20.520	20.536	0.943	2.540	4.592	17.000
224	11.200	36.745	51.100	51.120	1.928	3.170	3.772	11.000
225	11.250	36.909	116.750	116.774	3.846	3.770	3.294	16.400
226	11.300	37.073	194.780	194.822	6.326	6.780	3.247	14.000
227	11.350	37.237	250.710	250.761	8.324	8.220	3.319	14.000
228	11.400	37.401	219.160	219.228	9.081	10.900	4.142	14.300
229	11.450	37.565	233.140	233.233	10.226	14.940	4.384	12.800
230	11.500	37.729	224.170	224.279	9.755	17.410	4.349	16.600
231	11.550	37.893	249.060	249.174	9.419	18.190	3.780	13.900
232	11.600	38.057	306.580	306.727	9.528	23.510	3.106	24.700
233	11.650	38.221	186.040	186.202	7.758	26.030	4.166	25.600
234	11.700	38.385	86.510	86.671	4.875	25.780	5.625	44.200
235	11.750	38.549	66.280	66.440	2.375	25.570	3.575	51.000
236	11.800	38.713	33.620	33.779	1.742	25.460	5.157	47.500
237	11.850	38.877	58.030	58.188	1.268	25.300	2.179	61.400
238	11.900	39.042	68.410	68.567	1.308	25.150	1.908	41.600
239	11.950	39.206	58.350	58.506	1.373	24.930	2.347	54.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	40.560	40.715	1.589	24.800	3.903	45.900
241	12.050	39.534	47.350	47.504	1.220	24.620	2.568	61.100
242	12.100	39.698	78.540	78.694	1.664	24.670	2.115	70.800
243	12.150	39.862	70.230	70.384	1.444	24.590	2.052	72.700
244	12.200	40.026	30.970	31.122	1.196	24.400	3.843	88.300
245	12.250	40.190	34.980	35.132	0.921	24.310	2.622	70.100
246	12.300	40.354	29.390	29.542	0.740	24.280	2.505	77.900
247	12.350	40.518	27.130	27.281	0.636	24.180	2.331	90.000
248	12.400	40.682	23.730	23.880	0.592	24.020	2.479	86.500
249	12.450	40.846	29.850	30.000	0.693	23.960	2.310	71.100
250	12.500	41.010	26.690	26.839	0.935	23.870	3.484	61.500
251	12.550	41.174	39.270	39.411	1.475	22.540	3.743	48.600
252	12.600	41.338	71.970	72.110	2.181	22.420	3.025	32.600
253	12.650	41.502	99.810	99.949	2.623	22.220	2.624	31.800
254	12.700	41.666	62.740	62.877	2.414	21.990	3.839	27.400
255	12.750	41.830	58.010	58.146	1.876	21.790	3.226	24.300
256	12.800	41.994	63.530	63.667	2.172	21.870	3.412	22.600
257	12.850	42.158	67.560	67.696	2.068	21.830	3.055	26.800
258	12.900	42.322	56.280	56.415	2.170	21.670	3.846	22.100
259	12.950	42.486	49.700	49.836	1.951	21.710	3.915	29.000
260	13.000	42.650	33.630	33.764	1.984	21.410	5.876	30.800
261	13.050	42.814	78.050	78.184	1.717	21.390	2.196	43.600
262	13.100	42.978	52.460	52.592	1.369	21.140	2.603	67.200
263	13.150	43.143	40.050	40.182	1.316	21.190	3.275	62.400
264	13.200	43.307	44.030	44.162	1.026	21.120	2.323	63.500
265	13.250	43.471	22.390	22.521	0.782	20.920	3.472	72.400
266	13.300	43.635	20.100	20.230	0.674	20.820	3.332	71.900
267	13.350	43.799	19.890	20.020	0.500	20.800	2.498	67.000
268	13.400	43.963	14.960	15.089	0.377	20.730	2.498	70.800
269	13.450	44.127	17.710	17.839	0.211	20.680	1.183	49.900
270	13.500	44.291	13.070	13.199	0.435	20.600	3.296	44.900
271	13.550	44.455	17.370	17.493	0.436	19.780	2.492	33.700
272	13.600	44.619	55.640	55.763	0.521	19.780	0.934	24.800
273	13.650	44.783	32.720	32.842	0.744	19.590	2.265	29.700
274	13.700	44.947	21.750	21.870	1.092	19.230	4.993	21.300
275	13.750	45.111	35.730	35.850	1.421	19.160	3.964	21.800
276	13.800	45.275	61.930	62.050	2.011	19.210	3.241	15.600
277	13.850	45.439	100.650	100.770	2.290	19.180	2.273	23.800
278	13.900	45.603	76.540	76.660	3.037	19.160	3.962	17.000
279	13.950	45.767	41.170	41.288	2.333	18.970	5.650	22.400
280	14.000	45.931	66.630	66.747	2.643	18.740	3.960	23.200
281	14.050	46.095	193.860	193.979	2.962	19.090	1.527	30.300
282	14.100	46.259	128.280	128.399	3.280	19.040	2.555	32.400
283	14.150	46.423	68.000	68.118	2.969	18.880	4.359	35.800
284	14.200	46.587	55.470	55.588	2.508	18.960	4.512	39.900
285	14.250	46.751	41.240	41.358	2.003	18.850	4.843	34.300
286	14.300	46.915	37.130	37.247	2.126	18.760	5.708	52.000
287	14.350	47.079	39.540	39.658	1.981	18.920	4.995	46.600
288	14.400	47.244	58.490	58.608	2.135	18.830	3.643	44.100
289	14.450	47.408	49.700	49.819	1.870	19.000	3.754	59.300
290	14.500	47.572	51.890	52.008	1.428	18.970	2.746	50.300
291	14.550	47.736	44.680	44.796	0.913	18.550	2.038	45.800
292	14.600	47.900	40.830	40.946	0.463	18.530	1.131	54.500
293	14.650	48.064	40.010	40.125	0.230	18.460	0.573	54.000
294	14.700	48.228	34.240	34.355	0.201	18.370	0.585	59.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	34.790	34.867	0.218	12.380	0.625	53.000
296	14.800	48.556	50.370	50.446	0.303	12.250	0.601	49.000
297	14.850	48.720	75.060	75.137	0.394	12.340	0.524	64.600
298	14.900	48.884	89.770	89.847	0.464	12.400	0.516	57.200
299	14.950	49.048	98.100	98.177	0.574	12.410	0.585	61.200
300	15.000	49.212	108.580	108.657	0.643	12.360	0.592	53.200
301	15.050	49.376	122.200	122.277	0.713	12.410	0.583	48.100
302	15.100	49.540	136.320	136.398	0.745	12.420	0.546	55.700
303	15.150	49.704	151.840	151.918	0.875	12.430	0.576	54.400
304	15.200	49.868	160.020	160.098	0.961	12.430	0.600	48.400
305	15.250	50.032	182.910	182.988	1.102	12.500	0.602	46.700
306	15.300	50.196	188.280	188.358	1.230	12.530	0.653	53.100
307	15.350	50.360	193.560	193.638	1.287	12.440	0.665	56.400
308	15.400	50.524	200.150	200.229	1.324	12.590	0.661	69.000
309	15.450	50.688	200.830	200.908	1.282	12.510	0.638	61.300
310	15.500	50.852	189.940	190.019	1.314	12.610	0.692	58.400
311	15.550	51.016	187.420	187.501	1.352	12.920	0.721	52.000
312	15.600	51.180	183.100	183.180	1.250	12.890	0.682	58.200
313	15.650	51.345	179.870	179.950	1.189	12.880	0.661	53.800
314	15.700	51.509	174.910	174.991	1.241	12.930	0.709	60.600
315	15.750	51.673	183.440	183.521	1.303	12.950	0.710	64.800
316	15.800	51.837	227.640	227.721	1.369	13.000	0.601	57.200
317	15.850	52.001	242.970	243.051	1.530	13.050	0.629	64.100
318	15.900	52.165	240.060	240.142	1.576	13.160	0.656	62.600
319	15.950	52.329	223.670	223.752	1.560	13.210	0.697	61.600
320	16.000	52.493	205.240	205.323	1.457	13.260	0.710	57.500
321	16.050	52.657	184.770	184.853	1.335	13.340	0.722	59.900
322	16.100	52.821	167.810	167.893	1.333	13.370	0.794	65.200
323	16.150	52.985	171.210	171.294	1.386	13.380	0.809	76.100
324	16.200	53.149	226.690	226.774	1.614	13.420	0.712	59.900
325	16.250	53.313	265.250	265.335	1.694	13.640	0.638	59.900
326	16.300	53.477	271.540	271.625	1.644	13.670	0.605	56.800
327	16.350	53.641	259.410	259.496	1.527	13.750	0.588	55.400
328	16.400	53.805	233.230	233.316	1.578	13.790	0.676	52.800
329	16.450	53.969	202.080	202.166	1.541	13.850	0.762	56.500
330	16.500	54.133	178.990	179.077	1.301	13.860	0.727	56.700
331	16.550	54.297	173.820	173.907	1.263	13.940	0.726	50.600
332	16.600	54.461	180.500	180.590	1.303	14.490	0.722	57.600
333	16.650	54.625	192.520	192.611	1.394	14.500	0.724	0.000
334	16.700	54.789	204.290	204.381	1.535	14.520	0.751	0.000
335	16.750	54.953	202.640	202.731	1.655	14.500	0.816	0.000
336	16.800	55.117	201.830	201.921	1.727	14.620	0.855	0.000
337	16.850	55.281	200.010	200.101	1.759	14.630	0.879	0.000
338	16.900	55.446	199.900	199.991	1.815	14.650	0.908	0.000
339	16.950	55.610	201.730	201.822	1.914	14.730	0.948	0.000
340	17.000	55.774	195.280	195.372	1.929	14.780	0.987	0.000
341	17.050	55.938	184.130	184.223	1.896	14.860	1.029	0.000
342	17.100	56.102	185.230	185.323	1.850	14.850	0.998	0.000
343	17.150	56.266	174.610	174.702	1.787	14.810	1.023	0.000
344	17.200	56.430	168.870	168.963	1.690	14.830	1.000	0.000
345	17.250	56.594	179.400	179.493	1.603	14.900	0.893	0.000
346	17.300	56.758	184.890	184.983	1.651	14.910	0.893	0.000
347	17.350	56.922	193.730	193.823	0.000	14.960	0.000	0.000
348	17.400	57.086	196.600	196.694	0.000	14.980	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221566
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-9-1
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-15-2013
CPT Time:	09:09
CPT File:	13-53075_GP9-1.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722167.177
Northing / Lat:	4294340.611
Elevation:	143.229
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	0.020	0.021	0.000	0.120	0.000	32.200
2	0.100	0.328	10.320	10.323	0.038	0.520	0.368	39.500
3	0.150	0.492	30.880	30.883	0.425	0.410	1.376	55.200
4	0.200	0.656	56.140	56.142	0.484	0.290	0.862	61.200
5	0.250	0.820	39.850	39.859	0.538	1.460	1.350	68.700
6	0.300	0.984	20.360	20.375	0.581	2.410	2.852	82.300
7	0.350	1.148	26.040	26.047	0.383	1.060	1.470	101.700
8	0.400	1.312	43.160	43.172	0.476	1.990	1.103	92.100
9	0.450	1.476	66.870	66.878	0.612	1.330	0.915	101.100
10	0.500	1.640	86.980	86.986	0.663	1.020	0.762	112.400
11	0.550	1.804	104.220	104.227	0.808	1.110	0.775	90.000
12	0.600	1.968	115.640	115.647	0.951	1.100	0.822	102.200
13	0.650	2.133	106.950	106.956	0.953	0.990	0.891	94.500
14	0.700	2.297	83.110	83.113	0.890	0.440	1.071	71.800
15	0.750	2.461	49.440	49.442	0.807	0.320	1.632	82.700
16	0.800	2.625	38.490	38.489	0.557	-0.220	1.447	80.300
17	0.850	2.789	28.260	28.258	0.234	-0.370	0.828	53.800
18	0.900	2.953	33.660	33.659	0.381	-0.190	1.132	44.500
19	0.950	3.117	39.500	39.504	0.490	0.680	1.240	34.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	32.540	32.549	0.576	1.500	1.770	34.000
21	1.050	3.445	14.840	14.851	0.513	1.840	3.454	22.400
22	1.100	3.609	15.910	15.912	0.378	0.390	2.376	24.900
23	1.150	3.773	14.870	14.884	0.390	2.200	2.620	17.900
24	1.200	3.937	14.310	14.327	0.322	2.800	2.247	17.500
25	1.250	4.101	11.060	11.071	0.264	1.750	2.385	14.600
26	1.300	4.265	11.020	11.030	0.140	1.530	1.269	16.600
27	1.350	4.429	9.980	9.994	0.084	2.280	0.840	13.300
28	1.400	4.593	6.210	6.219	0.094	1.400	1.512	13.800
29	1.450	4.757	11.870	11.879	0.084	1.380	0.707	16.000
30	1.500	4.921	16.780	16.789	0.154	1.390	0.917	19.200
31	1.550	5.085	25.380	25.397	0.153	2.790	0.602	17.500
32	1.600	5.249	36.260	36.282	0.405	3.530	1.116	21.900
33	1.650	5.413	42.120	42.141	0.412	3.310	0.978	28.100
34	1.700	5.577	38.910	38.920	0.448	1.620	1.151	46.200
35	1.750	5.741	14.600	14.602	0.493	0.280	3.376	64.700
36	1.800	5.905	18.100	18.105	0.473	0.860	2.612	84.000
37	1.850	6.069	14.670	14.625	0.421	-7.220	2.879	107.900
38	1.900	6.234	11.500	11.441	0.368	-9.520	3.217	138.000
39	1.950	6.398	10.270	10.212	0.365	-9.260	3.574	126.800
40	2.000	6.562	13.460	13.407	0.426	-8.440	3.177	113.800
41	2.050	6.726	13.340	13.274	0.316	-10.560	2.381	82.100
42	2.100	6.890	22.530	22.537	0.264	1.110	1.171	49.600
43	2.150	7.054	47.970	47.972	0.426	0.300	0.888	47.100
44	2.200	7.218	37.720	37.728	0.741	1.290	1.964	39.800
45	2.250	7.382	45.570	45.575	0.826	0.790	1.812	31.800
46	2.300	7.546	34.490	34.485	0.768	-0.830	2.227	28.100
47	2.350	7.710	60.220	60.222	0.324	0.400	0.538	23.500
48	2.400	7.874	89.300	89.308	0.173	1.330	0.194	18.600
49	2.450	8.038	104.480	104.511	0.322	4.910	0.308	17.200
50	2.500	8.202	119.070	119.101	0.671	4.940	0.563	16.800
51	2.550	8.366	21.000	21.003	0.625	0.500	2.976	39.000
52	2.600	8.530	12.450	12.462	0.833	1.910	6.684	30.300
53	2.650	8.694	14.180	14.184	0.571	0.590	4.026	17.100
54	2.700	8.858	7.920	7.927	0.611	1.160	7.708	22.200
55	2.750	9.022	9.910	9.913	0.288	0.490	2.905	19.800
56	2.800	9.186	8.030	8.034	0.277	0.680	3.448	18.000
57	2.850	9.350	4.940	4.956	0.198	2.540	3.995	22.700
58	2.900	9.514	2.350	2.360	0.159	1.550	6.738	46.500
59	2.950	9.678	5.960	5.959	0.122	-0.090	2.047	55.900
60	3.000	9.842	15.710	15.717	0.231	1.080	1.470	30.100
61	3.050	10.006	17.650	17.648	0.327	-0.340	1.853	29.300
62	3.100	10.170	15.030	15.031	0.375	0.110	2.495	28.000
63	3.150	10.335	17.970	17.972	0.358	0.270	1.992	27.900
64	3.200	10.499	12.530	12.534	0.416	0.630	3.319	28.000
65	3.250	10.663	7.240	7.241	1.338	0.210	18.477	30.600
66	3.300	10.827	6.430	6.430	3.676	0.000	57.170	32.900
67	3.350	10.991	145.890	145.902	4.549	1.860	3.118	31.800
68	3.400	11.155	55.450	55.451	3.535	0.200	6.375	26.500
69	3.450	11.319	16.730	16.733	2.999	0.530	17.922	39.200
70	3.500	11.483	36.830	36.833	0.683	0.480	1.854	30.400
71	3.550	11.647	28.240	28.241	0.457	0.170	1.618	32.400
72	3.600	11.811	38.630	38.631	0.584	0.110	1.512	30.500
73	3.650	11.975	80.090	80.092	2.247	0.390	2.806	32.800
74	3.700	12.139	152.940	152.940	3.814	-0.040	2.494	33.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	77.800	77.802	2.679	0.270	3.443	43.300
76	3.800	12.467	73.940	73.946	0.342	0.980	0.462	50.500
77	3.850	12.631	45.970	45.970	0.563	-0.060	1.225	54.100
78	3.900	12.795	22.750	22.751	0.502	0.240	2.206	65.500
79	3.950	12.959	19.790	19.820	0.440	4.770	2.220	72.000
80	4.000	13.123	23.560	23.613	0.447	8.500	1.893	77.600
81	4.050	13.287	23.570	23.626	1.334	8.990	5.646	90.300
82	4.100	13.451	62.730	62.667	1.018	-10.080	1.624	80.300
83	4.150	13.615	47.030	46.961	1.670	-11.060	3.556	70.500
84	4.200	13.779	39.480	39.414	1.602	-10.620	4.065	73.200
85	4.250	13.943	52.530	52.467	1.542	-10.140	2.939	75.800
86	4.300	14.107	61.540	61.456	1.502	-13.420	2.444	80.300
87	4.350	14.271	43.640	43.547	1.488	-14.940	3.417	82.300
88	4.400	14.436	40.670	40.584	1.621	-13.740	3.994	88.800
89	4.450	14.600	42.720	42.636	0.975	-13.520	2.287	81.900
90	4.500	14.764	36.750	36.666	1.134	-13.420	3.093	90.200
91	4.550	14.928	29.800	29.719	1.288	-12.930	4.334	83.900
92	4.600	15.092	25.440	25.360	1.224	-12.830	4.827	69.400
93	4.650	15.256	43.920	43.842	1.243	-12.530	2.835	97.500
94	4.700	15.420	35.150	35.071	1.444	-12.710	4.117	81.900
95	4.750	15.584	46.960	46.872	1.277	-14.100	2.724	77.500
96	4.800	15.748	24.210	24.114	0.974	-15.360	4.039	78.200
97	4.850	15.912	14.160	14.067	0.604	-14.920	4.294	68.400
98	4.900	16.076	17.570	17.478	1.228	-14.790	7.026	73.600
99	4.950	16.240	36.340	36.249	1.279	-14.540	3.528	63.800
100	5.000	16.404	60.010	59.921	1.544	-14.280	2.577	59.800
101	5.050	16.568	77.640	77.576	1.919	-10.300	2.474	44.700
102	5.100	16.732	71.950	71.944	1.667	-0.910	2.317	37.800
103	5.150	16.896	88.830	88.846	1.366	2.500	1.537	25.400
104	5.200	17.060	49.350	49.391	1.522	6.530	3.082	23.900
105	5.250	17.224	45.190	45.227	1.059	5.930	2.342	20.200
106	5.300	17.388	54.100	54.123	1.524	3.640	2.816	13.200
107	5.350	17.552	50.090	50.113	1.266	3.620	2.526	15.000
108	5.400	17.716	42.610	42.629	1.376	3.060	3.228	17.100
109	5.450	17.880	78.460	78.480	1.783	3.250	2.272	9.500
110	5.500	18.044	124.120	124.132	1.674	2.000	1.349	15.800
111	5.550	18.208	18.510	18.543	1.373	5.300	7.404	15.300
112	5.600	18.372	5.440	5.469	0.509	4.600	9.307	18.000
113	5.650	18.537	21.230	21.248	0.517	2.850	2.433	24.600
114	5.700	18.701	47.150	47.163	0.618	2.020	1.310	29.900
115	5.750	18.865	44.040	44.052	0.830	2.000	1.884	33.200
116	5.800	19.029	37.020	37.033	0.863	2.060	2.330	42.100
117	5.850	19.193	20.850	20.863	0.552	2.100	2.646	39.000
118	5.900	19.357	29.370	29.383	0.540	2.060	1.838	38.800
119	5.950	19.521	25.960	25.972	0.383	1.920	1.475	36.200
120	6.000	19.685	17.660	17.670	0.294	1.600	1.664	40.900
121	6.050	19.849	29.430	29.437	0.115	1.170	0.391	37.700
122	6.100	20.013	31.670	31.678	0.278	1.270	0.878	31.000
123	6.150	20.177	26.660	26.662	0.346	0.350	1.298	28.200
124	6.200	20.341	33.760	33.765	0.610	0.770	1.807	28.900
125	6.250	20.505	22.280	22.286	0.833	0.990	3.738	28.800
126	6.300	20.669	34.550	34.566	1.316	2.560	3.807	41.600
127	6.350	20.833	50.310	50.325	1.499	2.430	2.979	62.700
128	6.400	20.997	32.310	32.325	1.356	2.340	4.195	58.700
129	6.450	21.161	16.610	16.641	0.775	4.950	4.657	66.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	12.770	12.806	0.481	5.750	3.756	68.900
131	6.550	21.489	12.400	12.441	0.359	6.490	2.886	68.000
132	6.600	21.653	8.700	8.729	0.297	4.720	3.402	55.100
133	6.650	21.817	7.890	7.918	0.193	4.440	2.438	56.900
134	6.700	21.981	8.030	8.050	0.197	3.250	2.447	48.800
135	6.750	22.145	17.300	17.317	0.504	2.800	2.910	38.600
136	6.800	22.309	22.940	22.956	0.542	2.580	2.361	31.600
137	6.850	22.473	21.190	21.210	0.802	3.150	3.781	24.900
138	6.900	22.638	34.280	34.298	0.857	2.850	2.499	23.900
139	6.950	22.802	34.540	34.559	0.815	3.120	2.358	20.400
140	7.000	22.966	42.800	42.818	1.027	2.830	2.399	13.200
141	7.050	23.130	38.850	38.868	1.405	2.830	3.615	13.200
142	7.100	23.294	65.050	65.069	1.391	3.030	2.138	12.600
143	7.150	23.458	123.790	123.810	2.599	3.280	2.099	17.300
144	7.200	23.622	118.820	118.834	2.659	2.300	2.238	14.000
145	7.250	23.786	67.500	67.511	2.676	1.770	3.964	14.100
146	7.300	23.950	56.020	56.037	2.119	2.730	3.781	15.700
147	7.350	24.114	35.900	35.918	1.155	2.920	3.216	14.100
148	7.400	24.278	25.940	25.955	0.675	2.450	2.601	23.700
149	7.450	24.442	51.230	51.242	0.681	2.000	1.329	18.400
150	7.500	24.606	41.290	41.308	0.759	2.960	1.837	29.300
151	7.550	24.770	50.590	50.608	0.823	2.920	1.626	24.000
152	7.600	24.934	25.180	25.193	0.832	2.050	3.303	37.800
153	7.650	25.098	31.290	31.302	0.850	1.980	2.715	33.500
154	7.700	25.262	19.210	19.159	0.821	-8.200	4.285	36.200
155	7.750	25.426	19.640	19.592	0.952	-7.750	4.859	24.100
156	7.800	25.590	42.780	42.735	1.491	-7.130	3.489	14.900
157	7.850	25.754	82.930	82.888	2.117	-6.790	2.554	17.700
158	7.900	25.918	84.670	84.630	2.483	-6.370	2.934	12.300
159	7.950	26.082	112.140	112.102	2.700	-6.100	2.409	10.400
160	8.000	26.246	57.060	57.056	2.414	-0.700	4.231	15.100
161	8.050	26.410	45.300	45.296	2.041	-0.630	4.506	14.900
162	8.100	26.574	59.970	59.967	1.833	-0.420	3.057	13.600
163	8.150	26.739	47.320	47.317	1.922	-0.490	4.062	15.800
164	8.200	26.903	40.640	40.638	1.567	-0.390	3.856	10.500
165	8.250	27.067	34.090	34.088	1.479	-0.300	4.339	12.800
166	8.300	27.231	42.260	42.259	1.432	-0.150	3.389	14.000
167	8.350	27.395	29.980	29.978	1.366	-0.290	4.557	13.400
168	8.400	27.559	29.350	29.348	1.148	-0.310	3.912	17.900
169	8.450	27.723	26.070	26.067	0.992	-0.450	3.806	9.600
170	8.500	27.887	20.420	20.417	1.886	-0.420	9.237	15.900
171	8.550	28.051	35.560	35.555	1.357	-0.740	3.817	16.400
172	8.600	28.215	67.890	67.886	0.669	-0.610	0.985	20.400
173	8.650	28.379	91.330	91.330	1.255	0.080	1.374	26.700
174	8.700	28.543	62.030	62.034	1.281	0.630	2.065	35.900
175	8.750	28.707	35.470	35.472	1.184	0.350	3.338	30.600
176	8.800	28.871	40.650	40.655	1.167	0.770	2.871	31.500
177	8.850	29.035	46.180	46.185	1.089	0.870	2.358	37.400
178	8.900	29.199	58.220	58.223	1.411	0.490	2.423	48.600
179	8.950	29.363	31.710	31.722	1.427	1.860	4.499	55.300
180	9.000	29.527	26.280	26.292	1.132	1.910	4.306	75.500
181	9.050	29.691	21.300	21.312	1.148	1.930	5.387	85.000
182	9.100	29.855	20.900	20.912	1.060	1.990	5.069	89.200
183	9.150	30.019	20.240	20.254	1.176	2.170	5.806	67.400
184	9.200	30.183	25.650	25.666	0.964	2.580	3.756	64.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	113.270	113.287	1.360	2.760	1.200	48.600
186	9.300	30.511	174.170	174.190	2.331	3.190	1.338	49.000
187	9.350	30.675	98.600	98.618	2.855	2.840	2.895	43.800
188	9.400	30.840	53.890	53.908	2.033	2.820	3.771	46.400
189	9.450	31.004	54.750	54.768	1.197	2.810	2.186	69.800
190	9.500	31.168	71.710	71.727	0.786	2.730	1.096	60.300
191	9.550	31.332	70.580	70.597	0.631	2.720	0.894	70.700
192	9.600	31.496	63.570	63.587	0.580	2.710	0.912	58.900
193	9.650	31.660	55.580	55.597	0.546	2.680	0.982	62.200
194	9.700	31.824	46.280	46.297	0.491	2.670	1.061	51.200
195	9.750	31.988	34.360	34.377	0.384	2.670	1.117	48.200
196	9.800	32.152	28.810	28.826	0.458	2.590	1.589	36.800
197	9.850	32.316	39.960	39.977	0.428	2.790	1.071	38.400
198	9.900	32.480	75.110	75.129	0.398	3.040	0.530	36.100
199	9.950	32.644	92.100	92.114	0.775	2.260	0.841	41.000
200	10.000	32.808	88.050	88.063	1.191	2.140	1.352	48.700
201	10.050	32.972	44.290	44.299	1.603	1.390	3.619	42.200
202	10.100	33.136	59.580	59.592	1.755	1.900	2.945	38.200
203	10.150	33.300	51.090	51.102	1.754	1.950	3.432	25.400
204	10.200	33.464	44.510	44.523	1.842	2.130	4.137	26.600
205	10.250	33.628	58.070	58.083	2.027	2.140	3.490	27.400
206	10.300	33.792	80.580	80.592	2.114	1.990	2.623	20.400
207	10.350	33.956	52.620	52.634	2.011	2.190	3.821	30.500
208	10.400	34.120	33.490	33.504	1.615	2.270	4.820	20.000
209	10.450	34.284	9.720	9.733	0.752	2.080	7.726	38.500
210	10.500	34.448	25.610	25.622	0.679	1.950	2.650	43.400
211	10.550	34.612	34.180	34.193	0.603	2.120	1.764	47.000
212	10.600	34.776	38.470	38.482	0.548	1.910	1.424	48.700
213	10.650	34.941	45.640	45.651	0.367	1.830	0.804	53.900
214	10.700	35.105	49.210	49.221	0.211	1.820	0.429	54.000
215	10.750	35.269	45.480	45.491	0.254	1.790	0.558	53.600
216	10.800	35.433	37.520	37.531	0.505	1.730	1.346	50.100
217	10.850	35.597	34.380	34.395	0.572	2.340	1.663	52.500
218	10.900	35.761	35.670	35.686	0.715	2.550	2.004	49.500
219	10.950	35.925	38.100	38.116	0.738	2.590	1.936	62.200
220	11.000	36.089	28.130	28.146	0.707	2.530	2.512	57.200
221	11.050	36.253	29.270	29.286	0.859	2.580	2.933	46.500
222	11.100	36.417	38.380	38.392	1.226	1.870	3.193	32.100
223	11.150	36.581	41.220	41.236	1.241	2.500	3.010	34.500
224	11.200	36.745	17.920	17.937	1.020	2.650	5.687	39.500
225	11.250	36.909	17.460	17.477	0.576	2.720	3.296	46.600
226	11.300	37.073	29.460	29.477	0.433	2.790	1.469	57.700
227	11.350	37.237	36.820	36.836	0.609	2.530	1.653	65.900
228	11.400	37.401	27.890	27.905	0.687	2.430	2.462	68.600
229	11.450	37.565	28.540	28.554	0.673	2.180	2.357	61.000
230	11.500	37.729	24.710	24.725	0.446	2.360	1.804	49.000
231	11.550	37.893	28.180	28.194	0.415	2.220	1.472	44.400
232	11.600	38.057	24.510	24.524	0.533	2.290	2.173	45.200
233	11.650	38.221	43.500	43.515	0.654	2.330	1.503	46.300
234	11.700	38.385	18.090	18.106	0.989	2.520	5.462	64.900
235	11.750	38.549	45.520	45.534	1.110	2.320	2.438	62.100
236	11.800	38.713	32.410	32.426	1.006	2.520	3.102	79.700
237	11.850	38.877	39.460	39.476	0.909	2.550	2.303	67.900
238	11.900	39.042	54.220	54.236	0.638	2.560	1.176	76.300
239	11.950	39.206	69.750	69.766	0.621	2.500	0.890	70.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	80.680	80.696	0.658	2.580	0.815	67.300
241	12.050	39.534	88.340	88.356	0.900	2.510	1.019	70.300
242	12.100	39.698	86.250	86.266	1.343	2.550	1.557	73.700
243	12.150	39.862	65.920	65.936	1.514	2.570	2.296	72.600
244	12.200	40.026	67.080	67.096	1.400	2.610	2.087	65.800
245	12.250	40.190	85.540	85.556	1.165	2.630	1.362	61.900
246	12.300	40.354	86.360	86.376	1.050	2.610	1.216	57.000
247	12.350	40.518	88.080	88.097	0.959	2.650	1.089	58.500
248	12.400	40.682	92.600	92.616	0.923	2.550	0.997	52.100
249	12.450	40.846	97.300	97.316	0.900	2.640	0.925	60.900
250	12.500	41.010	106.680	106.696	0.905	2.610	0.848	56.300
251	12.550	41.174	133.620	133.637	0.958	2.690	0.717	50.600
252	12.600	41.338	168.410	168.427	1.082	2.710	0.642	57.700
253	12.650	41.502	206.260	206.277	1.515	2.750	0.734	56.000
254	12.700	41.666	203.490	203.507	1.964	2.760	0.965	54.400
255	12.750	41.830	198.300	198.318	2.116	2.840	1.067	52.000
256	12.800	41.994	198.660	198.678	2.092	2.870	1.053	50.600
257	12.850	42.158	196.920	196.938	2.071	2.830	1.052	51.800
258	12.900	42.322	209.830	209.849	2.048	3.120	0.976	52.300
259	12.950	42.486	234.860	234.879	2.097	3.120	0.893	45.700
260	13.000	42.650	258.880	258.900	2.347	3.200	0.907	51.400
261	13.050	42.814	273.560	273.580	2.671	3.190	0.976	49.200
262	13.100	42.978	275.280	275.300	2.829	3.210	1.028	49.900
263	13.150	43.143	284.780	284.800	2.999	3.260	1.053	51.000
264	13.200	43.307	298.060	298.081	3.252	3.380	1.091	66.800
265	13.250	43.471	289.480	289.502	3.442	3.510	1.189	59.700
266	13.300	43.635	326.190	326.212	3.600	3.560	1.104	56.700
267	13.350	43.799	360.670	360.695	3.616	4.050	1.003	73.800
268	13.400	43.963	356.040	356.066	3.994	4.200	1.122	72.100
269	13.450	44.127	353.510	353.537	4.271	4.290	1.208	80.800
270	13.500	44.291	311.390	311.417	3.765	4.330	1.209	70.600
271	13.550	44.455	275.340	275.368	3.393	4.430	1.232	78.600
272	13.600	44.619	258.680	258.710	3.001	4.790	1.160	58.200
273	13.650	44.783	250.190	250.220	2.791	4.780	1.115	50.800
274	13.700	44.947	245.040	245.070	2.660	4.750	1.085	54.000
275	13.750	45.111	216.680	216.709	2.566	4.700	1.184	0.000
276	13.800	45.275	182.120	182.142	2.362	3.540	1.297	0.000
277	13.850	45.439	176.110	176.132	2.002	3.540	1.137	0.000
278	13.900	45.603	190.440	190.463	1.862	3.620	0.978	0.000
279	13.950	45.767	227.490	227.512	2.101	3.550	0.923	0.000
280	14.000	45.931	260.650	260.672	2.433	3.600	0.933	0.000
281	14.050	46.095	244.750	244.773	2.686	3.610	1.097	0.000
282	14.100	46.259	225.590	225.613	2.606	3.700	1.155	0.000
283	14.150	46.423	217.770	217.793	2.367	3.750	1.087	0.000
284	14.200	46.587	227.120	227.143	2.203	3.610	0.970	0.000
285	14.250	46.751	252.270	252.293	2.324	3.750	0.921	0.000
286	14.300	46.915	274.840	274.864	2.598	3.890	0.945	0.000
287	14.350	47.079	289.530	289.554	2.912	3.790	1.006	0.000
288	14.400	47.244	319.120	319.145	3.300	3.940	1.034	0.000
289	14.450	47.408	337.310	337.335	0.000	4.000	0.000	0.000
290	14.500	47.572	356.270	356.296	0.000	4.120	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221568
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-9-2
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-19-2013
CPT Time:	15:13
CPT File:	13-53075_GP9-2.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722174.414
Northing / Lat:	4294324.511
Elevation:	143.790
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	2.170	2.169	0.008	-0.220	0.369	28.800
2	0.100	0.328	39.590	39.591	0.089	0.210	0.225	34.600
3	0.150	0.492	58.270	58.270	0.124	0.080	0.213	43.000
4	0.200	0.656	62.270	62.272	0.206	0.370	0.331	48.800
5	0.250	0.820	60.030	60.037	0.444	1.060	0.740	56.300
6	0.300	0.984	73.770	73.773	0.728	0.490	0.987	65.700
7	0.350	1.148	49.710	49.719	0.966	1.430	1.943	64.800
8	0.400	1.312	36.900	36.926	1.078	4.110	2.919	78.700
9	0.450	1.476	55.540	55.565	0.771	4.040	1.388	72.700
10	0.500	1.640	54.620	54.636	0.597	2.600	1.093	84.700
11	0.550	1.804	46.790	46.793	0.579	0.490	1.237	69.600
12	0.600	1.968	42.120	42.123	0.449	0.410	1.066	75.500
13	0.650	2.133	37.650	37.651	0.436	0.130	1.158	75.100
14	0.700	2.297	31.550	31.550	0.341	0.050	1.081	74.400
15	0.750	2.461	23.420	23.419	0.255	-0.110	1.089	68.000
16	0.800	2.625	15.620	15.618	0.176	-0.300	1.127	66.400
17	0.850	2.789	10.010	10.009	0.156	-0.110	1.559	67.500
18	0.900	2.953	7.620	7.618	0.167	-0.290	2.192	58.500
19	0.950	3.117	9.290	9.289	0.154	-0.110	1.658	48.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	14.320	14.320	0.192	-0.060	1.341	34.600
21	1.050	3.445	3.750	3.749	0.173	-0.190	4.615	33.900
22	1.100	3.609	1.160	1.158	0.125	-0.280	10.792	27.500
23	1.150	3.773	11.480	11.480	0.085	0.030	0.740	24.800
24	1.200	3.937	20.250	20.249	0.168	-0.160	0.830	33.900
25	1.250	4.101	13.720	13.720	0.132	0.070	0.962	27.400
26	1.300	4.265	1.970	1.973	0.180	0.470	9.123	22.900
27	1.350	4.429	4.720	4.721	0.084	0.090	1.779	21.200
28	1.400	4.593	28.780	28.784	0.294	0.610	1.021	15.100
29	1.450	4.757	33.350	33.353	0.388	0.540	1.163	13.300
30	1.500	4.921	32.660	32.663	0.663	0.540	2.030	11.800
31	1.550	5.085	23.100	23.101	0.710	0.090	3.074	10.600
32	1.600	5.249	20.630	20.633	0.910	0.530	4.410	10.100
33	1.650	5.413	22.470	22.474	0.748	0.640	3.328	7.300
34	1.700	5.577	5.790	5.782	0.593	-1.270	10.256	13.800
35	1.750	5.741	8.550	8.551	0.465	0.230	5.438	10.600
36	1.800	5.905	9.370	9.377	0.366	1.090	3.903	12.000
37	1.850	6.069	11.640	11.646	0.457	0.960	3.924	12.200
38	1.900	6.234	10.310	10.324	0.366	2.270	3.545	16.400
39	1.950	6.398	9.280	9.348	0.500	10.880	5.349	13.200
40	2.000	6.562	17.180	17.214	0.551	5.520	3.201	14.200
41	2.050	6.726	13.640	13.652	0.451	1.870	3.304	14.300
42	2.100	6.890	29.430	29.434	0.455	0.640	1.546	23.300
43	2.150	7.054	37.880	37.884	0.628	0.720	1.658	33.100
44	2.200	7.218	30.580	30.578	0.606	-0.380	1.982	38.500
45	2.250	7.382	20.930	20.958	0.510	4.500	2.433	59.100
46	2.300	7.546	13.230	13.353	0.431	19.630	3.228	72.300
47	2.350	7.710	14.200	14.334	0.357	21.420	2.491	86.700
48	2.400	7.874	16.300	16.339	0.332	6.310	2.032	85.100
49	2.450	8.038	14.550	14.538	0.409	-2.000	2.813	82.600
50	2.500	8.202	11.360	11.320	0.517	-6.370	4.567	76.000
51	2.550	8.366	12.380	12.337	0.466	-6.860	3.777	70.800
52	2.600	8.530	27.300	27.290	0.612	-1.660	2.243	52.700
53	2.650	8.694	42.420	42.412	0.789	-1.290	1.860	62.300
54	2.700	8.858	28.430	28.424	1.030	-0.980	3.624	56.500
55	2.750	9.022	28.080	28.077	0.870	-0.550	3.099	43.800
56	2.800	9.186	33.590	33.592	0.982	0.250	2.923	33.500
57	2.850	9.350	14.890	14.889	0.706	-0.230	4.742	27.800
58	2.900	9.514	13.070	13.076	0.685	1.010	5.238	26.900
59	2.950	9.678	18.600	18.604	0.659	0.590	3.542	22.400
60	3.000	9.842	16.560	16.562	0.703	0.300	4.245	19.700
61	3.050	10.006	6.090	6.109	0.938	2.990	15.355	23.000
62	3.100	10.170	27.170	27.196	1.234	4.210	4.537	19.700
63	3.150	10.335	51.890	51.914	0.955	3.770	1.840	23.300
64	3.200	10.499	32.920	32.944	0.766	3.770	2.325	27.400
65	3.250	10.663	13.170	13.185	0.957	2.350	7.258	21.200
66	3.300	10.827	28.960	28.971	0.380	1.790	1.312	22.900
67	3.350	10.991	8.270	8.288	0.452	2.910	5.454	23.700
68	3.400	11.155	7.080	7.084	0.385	0.630	5.435	22.800
69	3.450	11.319	7.800	7.802	0.144	0.270	1.846	21.900
70	3.500	11.483	5.700	5.704	0.164	0.720	2.875	22.300
71	3.550	11.647	17.760	17.761	0.170	0.130	0.957	23.500
72	3.600	11.811	35.940	35.942	0.264	0.260	0.735	23.200
73	3.650	11.975	31.150	31.161	0.437	1.790	1.402	28.600
74	3.700	12.139	10.990	11.002	0.396	1.990	3.599	35.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	9.230	9.232	0.275	0.380	2.979	34.000
76	3.800	12.467	59.310	59.312	0.189	0.300	0.319	46.300
77	3.850	12.631	141.760	141.762	0.524	0.310	0.370	38.100
78	3.900	12.795	84.770	84.772	0.451	0.370	0.532	41.400
79	3.950	12.959	55.940	55.951	1.648	1.830	2.945	40.900
80	4.000	13.123	107.640	107.660	7.003	3.220	6.505	36.500
81	4.050	13.287	132.290	132.303	4.819	2.010	3.642	33.400
82	4.100	13.451	170.010	170.009	5.688	-0.210	3.346	34.100
83	4.150	13.615	185.620	185.626	4.386	0.950	2.363	27.300
84	4.200	13.779	122.860	122.856	0.962	-0.660	0.783	26.500
85	4.250	13.943	116.730	116.727	0.700	-0.460	0.600	25.000
86	4.300	14.107	79.170	79.169	1.905	-0.100	2.406	22.800
87	4.350	14.271	55.760	55.763	2.480	0.550	4.447	26.300
88	4.400	14.436	73.700	73.712	1.796	1.850	2.437	32.200
89	4.450	14.600	85.370	85.380	1.544	1.550	1.808	30.800
90	4.500	14.764	75.980	75.990	0.387	1.610	0.509	34.700
91	4.550	14.928	64.940	64.940	0.429	0.000	0.661	32.200
92	4.600	15.092	51.920	51.926	1.251	0.960	2.409	41.800
93	4.650	15.256	44.730	44.737	1.874	1.150	4.189	37.200
94	4.700	15.420	83.930	83.930	2.207	0.040	2.630	43.400
95	4.750	15.584	66.160	66.160	2.365	0.010	3.575	42.400
96	4.800	15.748	49.020	49.026	0.414	0.990	0.844	34.000
97	4.850	15.912	53.500	53.499	0.414	-0.090	0.774	49.500
98	4.900	16.076	62.040	62.036	1.146	-0.690	1.847	58.700
99	4.950	16.240	48.740	48.739	1.105	-0.170	2.267	72.500
100	5.000	16.404	20.380	20.468	1.320	14.040	6.449	80.000
101	5.050	16.568	43.120	43.162	0.828	6.780	1.918	86.100
102	5.100	16.732	55.740	55.749	1.006	1.520	1.805	86.500
103	5.150	16.896	54.810	54.806	1.262	-0.620	2.303	97.100
104	5.200	17.060	45.770	45.756	1.383	-2.190	3.023	81.200
105	5.250	17.224	31.640	31.621	1.096	-3.070	3.466	87.100
106	5.300	17.388	23.400	23.378	0.915	-3.520	3.914	86.600
107	5.350	17.552	25.460	25.436	0.958	-3.880	3.766	70.100
108	5.400	17.716	34.240	34.210	0.948	-4.730	2.771	83.000
109	5.450	17.880	26.920	26.888	0.914	-5.140	3.399	85.600
110	5.500	18.044	20.940	20.907	0.704	-5.320	3.367	89.700
111	5.550	18.208	38.600	38.566	0.633	-5.420	1.641	89.100
112	5.600	18.372	28.020	27.984	0.848	-5.690	3.030	90.900
113	5.650	18.537	27.640	27.604	0.890	-5.710	3.224	93.600
114	5.700	18.701	25.360	25.323	0.986	-5.850	3.894	85.500
115	5.750	18.865	31.820	31.780	0.853	-6.420	2.684	88.900
116	5.800	19.029	39.810	39.769	0.691	-6.580	1.738	93.600
117	5.850	19.193	39.130	39.087	0.607	-6.910	1.553	83.900
118	5.900	19.357	34.780	34.735	0.564	-7.140	1.624	77.000
119	5.950	19.521	31.610	31.565	0.429	-7.250	1.359	69.200
120	6.000	19.685	33.060	33.013	0.751	-7.490	2.275	49.000
121	6.050	19.849	29.730	29.681	0.716	-7.770	2.412	61.100
122	6.100	20.013	32.960	32.934	1.131	-4.220	3.434	45.000
123	6.150	20.177	50.770	50.798	0.812	4.520	1.598	53.000
124	6.200	20.341	29.470	29.499	1.268	4.630	4.298	57.800
125	6.250	20.505	45.170	45.158	1.250	-1.930	2.768	44.100
126	6.300	20.669	24.700	24.685	1.244	-2.390	5.039	46.600
127	6.350	20.833	16.770	16.754	1.143	-2.630	6.822	29.600
128	6.400	20.997	40.040	40.026	1.153	-2.180	2.881	29.900
129	6.450	21.161	53.930	53.919	1.322	-1.810	2.452	24.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	51.000	50.991	1.406	-1.410	2.757	24.000
131	6.550	21.489	41.260	41.267	1.537	1.080	3.725	22.400
132	6.600	21.653	36.310	36.327	1.690	2.710	4.652	17.600
133	6.650	21.817	29.730	29.752	1.184	3.600	3.980	21.800
134	6.700	21.981	20.120	20.137	1.022	2.680	5.075	23.600
135	6.750	22.145	37.120	37.137	1.178	2.650	3.172	27.700
136	6.800	22.309	66.590	66.610	1.632	3.140	2.450	36.400
137	6.850	22.473	56.060	56.092	1.533	5.050	2.733	38.200
138	6.900	22.638	43.830	43.863	1.190	5.310	2.713	53.000
139	6.950	22.802	33.520	33.548	0.695	4.530	2.072	63.800
140	7.000	22.966	43.340	43.368	0.715	4.500	1.649	61.500
141	7.050	23.130	55.360	55.383	0.758	3.730	1.369	60.200
142	7.100	23.294	16.560	16.583	0.822	3.680	4.957	57.800
143	7.150	23.458	20.150	20.174	0.637	3.880	3.157	58.000
144	7.200	23.622	25.220	25.246	0.678	4.120	2.686	38.000
145	7.250	23.786	32.000	32.025	0.682	4.050	2.130	32.200
146	7.300	23.950	8.050	8.072	0.643	3.540	7.966	27.000
147	7.350	24.114	14.840	14.859	0.412	3.000	2.773	29.300
148	7.400	24.278	31.380	31.398	0.353	2.890	1.124	28.100
149	7.450	24.442	47.890	47.908	0.321	2.930	0.670	37.200
150	7.500	24.606	40.190	40.206	0.422	2.500	1.050	37.900
151	7.550	24.770	27.120	27.135	0.398	2.440	1.467	47.100
152	7.600	24.934	19.910	19.927	0.680	2.690	3.412	50.100
153	7.650	25.098	28.920	28.934	0.888	2.320	3.069	50.200
154	7.700	25.262	37.940	37.948	1.282	1.320	3.378	56.300
155	7.750	25.426	59.440	59.433	1.465	-1.070	2.465	49.500
156	7.800	25.590	89.250	89.230	1.911	-3.270	2.142	47.900
157	7.850	25.754	86.790	86.764	2.457	-4.160	2.832	63.800
158	7.900	25.918	96.900	96.869	2.209	-5.040	2.280	40.800
159	7.950	26.082	77.250	77.214	2.361	-5.690	3.058	38.000
160	8.000	26.246	75.780	75.743	1.979	-5.910	2.613	39.000
161	8.050	26.410	93.580	93.582	1.845	0.260	1.972	29.200
162	8.100	26.574	113.780	113.781	2.346	0.150	2.062	24.100
163	8.150	26.739	69.190	69.197	2.191	1.060	3.166	25.900
164	8.200	26.903	30.960	30.967	1.995	1.170	6.442	27.700
165	8.250	27.067	33.980	33.986	1.585	0.890	4.664	40.300
166	8.300	27.231	26.760	26.767	1.112	1.120	4.154	51.600
167	8.350	27.395	15.680	15.690	0.851	1.600	5.424	52.500
168	8.400	27.559	10.350	10.360	0.475	1.530	4.585	39.300
169	8.450	27.723	7.310	7.316	0.250	1.000	3.417	36.900
170	8.500	27.887	5.220	5.226	0.125	0.930	2.392	31.600
171	8.550	28.051	31.190	31.197	0.352	1.150	1.128	30.900
172	8.600	28.215	43.520	43.528	0.705	1.350	1.620	33.000
173	8.650	28.379	31.570	31.578	1.127	1.350	3.569	36.100
174	8.700	28.543	49.450	49.461	1.499	1.800	3.031	34.700
175	8.750	28.707	42.910	42.929	1.462	3.030	3.406	39.800
176	8.800	28.871	37.900	37.920	1.337	3.170	3.526	41.900
177	8.850	29.035	30.390	30.402	1.135	1.910	3.733	37.900
178	8.900	29.199	51.180	51.198	1.158	2.880	2.262	31.000
179	8.950	29.363	53.740	53.759	1.572	3.110	2.924	23.000
180	9.000	29.527	37.050	37.069	1.671	3.000	4.508	23.500
181	9.050	29.691	48.210	48.230	2.136	3.180	4.429	21.800
182	9.100	29.855	62.030	62.050	2.211	3.170	3.563	26.200
183	9.150	30.019	71.590	71.613	2.423	3.680	3.383	18.400
184	9.200	30.183	121.980	122.003	2.720	3.640	2.229	28.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	78.960	78.982	2.477	3.510	3.136	45.600
186	9.300	30.511	43.380	43.408	1.786	4.490	4.114	38.800
187	9.350	30.675	45.210	45.236	1.027	4.140	2.270	42.900
188	9.400	30.840	40.450	40.475	0.901	3.930	2.226	49.000
189	9.450	31.004	50.320	50.344	0.379	3.890	0.753	27.300
190	9.500	31.168	60.140	60.163	0.540	3.660	0.898	26.500
191	9.550	31.332	43.250	43.274	0.693	3.790	1.601	16.800
192	9.600	31.496	51.400	51.423	1.591	3.650	3.094	16.100
193	9.650	31.660	71.800	71.822	1.630	3.560	2.269	13.300
194	9.700	31.824	28.620	28.646	1.337	4.170	4.667	13.000
195	9.750	31.988	25.410	25.436	1.713	4.220	6.734	11.400
196	9.800	32.152	75.220	75.245	1.705	4.080	2.266	8.400
197	9.850	32.316	26.580	26.606	1.584	4.240	5.953	9.700
198	9.900	32.480	24.330	24.355	1.004	4.010	4.122	18.600
199	9.950	32.644	17.440	17.462	0.871	3.500	4.988	17.800
200	10.000	32.808	14.860	14.882	0.750	3.580	5.040	25.500
201	10.050	32.972	7.740	7.765	0.527	3.990	6.787	38.100
202	10.100	33.136	5.210	5.237	0.428	4.400	8.172	35.500
203	10.150	33.300	12.990	13.021	0.357	4.940	2.742	36.700
204	10.200	33.464	24.560	24.592	0.686	5.170	2.789	28.100
205	10.250	33.628	24.560	24.591	0.937	4.960	3.810	22.600
206	10.300	33.792	24.170	24.201	1.081	4.970	4.467	28.900
207	10.350	33.956	32.710	32.740	1.195	4.810	3.650	22.200
208	10.400	34.120	34.690	34.722	0.886	5.200	2.552	27.400
209	10.450	34.284	40.260	40.290	1.040	4.770	2.581	27.600
210	10.500	34.448	43.700	43.729	0.957	4.660	2.188	36.800
211	10.550	34.612	17.250	17.278	0.881	4.500	5.099	36.300
212	10.600	34.776	17.800	17.830	0.900	4.800	5.048	55.300
213	10.650	34.941	26.930	26.961	0.794	4.910	2.945	61.800
214	10.700	35.105	17.950	17.981	0.709	4.910	3.943	80.200
215	10.750	35.269	14.560	14.594	0.725	5.460	4.968	77.800
216	10.800	35.433	12.690	12.725	0.778	5.670	6.114	67.600
217	10.850	35.597	15.300	15.337	0.610	5.850	3.977	59.700
218	10.900	35.761	34.280	34.315	0.607	5.550	1.769	61.900
219	10.950	35.925	21.500	21.530	0.659	4.880	3.061	59.800
220	11.000	36.089	24.340	24.373	0.780	5.320	3.200	54.700
221	11.050	36.253	15.160	15.195	0.988	5.570	6.502	59.500
222	11.100	36.417	28.090	28.125	0.757	5.660	2.692	51.300
223	11.150	36.581	37.880	37.913	0.582	5.330	1.535	39.900
224	11.200	36.745	28.450	28.477	0.850	4.390	2.985	38.900
225	11.250	36.909	37.450	37.476	1.028	4.090	2.743	33.400
226	11.300	37.073	33.930	33.956	1.338	4.130	3.940	32.700
227	11.350	37.237	27.950	27.975	1.366	3.980	4.883	23.400
228	11.400	37.401	59.290	59.314	1.643	3.890	2.770	24.000
229	11.450	37.565	48.190	48.213	1.486	3.660	3.082	29.700
230	11.500	37.729	38.210	38.232	1.599	3.460	4.182	44.900
231	11.550	37.893	37.680	37.701	1.341	3.340	3.557	52.200
232	11.600	38.057	19.620	19.641	1.134	3.420	5.774	61.900
233	11.650	38.221	12.430	12.450	0.698	3.210	5.606	66.200
234	11.700	38.385	10.720	10.741	0.352	3.330	3.277	76.700
235	11.750	38.549	12.490	12.512	0.414	3.570	3.309	73.700
236	11.800	38.713	17.120	17.142	0.538	3.540	3.138	73.600
237	11.850	38.877	21.390	21.413	0.750	3.730	3.502	65.800
238	11.900	39.042	25.580	25.604	0.657	3.830	2.566	52.900
239	11.950	39.206	16.290	16.314	0.618	3.830	3.788	48.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	21.180	21.205	0.578	3.960	2.726	27.600
241	12.050	39.534	27.860	27.883	0.815	3.610	2.923	24.800
242	12.100	39.698	38.460	38.483	0.817	3.700	2.123	26.000
243	12.150	39.862	25.440	25.462	0.660	3.510	2.592	14.000
244	12.200	40.026	31.090	31.108	0.711	2.820	2.286	14.600
245	12.250	40.190	42.410	42.427	0.802	2.740	1.890	11.800
246	12.300	40.354	23.900	23.918	0.972	2.900	4.064	13.600
247	12.350	40.518	45.060	45.081	0.959	3.420	2.127	13.600
248	12.400	40.682	68.990	69.015	1.458	3.940	2.113	17.500
249	12.450	40.846	42.320	42.345	1.317	4.040	3.110	29.300
250	12.500	41.010	24.340	24.366	0.970	4.140	3.981	36.600
251	12.550	41.174	22.370	22.396	0.998	4.100	4.456	46.000
252	12.600	41.338	35.190	35.216	0.893	4.140	2.536	55.900
253	12.650	41.502	16.490	16.517	0.842	4.390	5.098	49.300
254	12.700	41.666	14.830	14.855	0.789	4.000	5.311	57.300
255	12.750	41.830	20.640	20.662	0.702	3.490	3.398	47.700
256	12.800	41.994	12.300	12.324	0.570	3.850	4.625	36.600
257	12.850	42.158	8.620	8.645	0.406	4.060	4.696	38.300
258	12.900	42.322	9.090	9.114	0.394	3.860	4.323	32.000
259	12.950	42.486	12.560	12.582	0.508	3.570	4.037	35.800
260	13.000	42.650	17.780	17.802	0.534	3.540	3.000	26.500
261	13.050	42.814	32.460	32.480	0.777	3.150	2.392	42.600
262	13.100	42.978	18.170	18.190	0.907	3.200	4.986	34.300
263	13.150	43.143	23.500	23.521	0.965	3.390	4.103	45.000
264	13.200	43.307	23.170	23.193	0.873	3.730	3.764	54.000
265	13.250	43.471	25.120	25.141	0.894	3.310	3.556	50.600
266	13.300	43.635	21.370	21.389	0.758	3.120	3.544	41.500
267	13.350	43.799	23.090	23.109	0.812	3.010	3.514	41.400
268	13.400	43.963	29.270	29.289	0.919	3.040	3.138	35.300
269	13.450	44.127	13.910	13.928	0.790	2.850	5.672	31.700
270	13.500	44.291	19.320	19.337	0.847	2.690	4.380	25.600
271	13.550	44.455	30.780	30.797	0.932	2.690	3.026	31.700
272	13.600	44.619	20.750	20.768	0.824	2.810	3.968	22.600
273	13.650	44.783	11.810	11.832	0.688	3.450	5.815	28.400
274	13.700	44.947	14.070	14.092	0.782	3.490	5.549	23.700
275	13.750	45.111	19.290	19.311	0.807	3.310	4.179	24.600
276	13.800	45.275	16.420	16.446	0.974	4.210	5.922	26.200
277	13.850	45.439	29.090	29.117	1.186	4.270	4.073	27.900
278	13.900	45.603	25.480	25.507	1.064	4.290	4.171	30.400
279	13.950	45.767	21.050	21.073	0.884	3.730	4.195	26.300
280	14.000	45.931	14.180	14.208	1.136	4.430	7.996	30.600
281	14.050	46.095	27.390	27.423	1.328	5.330	4.843	26.500
282	14.100	46.259	43.300	43.334	2.093	5.390	4.830	29.900
283	14.150	46.423	25.930	25.962	2.260	5.110	8.705	29.000
284	14.200	46.587	25.160	25.183	1.963	3.710	7.795	32.800
285	14.250	46.751	36.120	36.148	1.337	4.440	3.699	39.300
286	14.300	46.915	51.710	51.741	1.244	4.930	2.404	55.600
287	14.350	47.079	66.720	66.751	0.992	4.940	1.486	51.300
288	14.400	47.244	149.120	149.152	1.095	5.130	0.734	55.800
289	14.450	47.408	191.980	192.013	1.370	5.210	0.713	60.700
290	14.500	47.572	206.570	206.604	1.846	5.390	0.893	52.200
291	14.550	47.736	207.340	207.375	2.267	5.650	1.093	54.000
292	14.600	47.900	209.470	209.505	2.479	5.660	1.183	45.600
293	14.650	48.064	212.210	212.247	2.698	5.890	1.271	55.500
294	14.700	48.228	212.240	212.277	2.793	5.990	1.316	46.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	206.210	206.248	2.901	6.100	1.407	52.600
296	14.800	48.556	199.400	199.439	2.852	6.180	1.430	56.000
297	14.850	48.720	192.530	192.569	2.719	6.230	1.412	48.200
298	14.900	48.884	186.010	186.050	2.702	6.340	1.452	50.300
299	14.950	49.048	176.280	176.319	2.648	6.310	1.502	51.700
300	15.000	49.212	150.310	150.350	2.528	6.340	1.681	61.900
301	15.050	49.376	124.020	124.060	2.166	6.370	1.746	51.700
302	15.100	49.540	107.150	107.190	1.701	6.380	1.587	69.900
303	15.150	49.704	97.460	97.500	1.304	6.400	1.337	67.900
304	15.200	49.868	92.820	92.860	1.016	6.370	1.094	57.900
305	15.250	50.032	90.670	90.709	0.772	6.200	0.851	57.800
306	15.300	50.196	87.290	87.323	0.461	5.350	0.528	59.500
307	15.350	50.360	86.930	86.963	0.457	5.330	0.526	53.200
308	15.400	50.524	91.300	91.331	0.637	4.920	0.697	59.700
309	15.450	50.688	103.420	103.449	0.800	4.700	0.773	61.200
310	15.500	50.852	118.450	118.472	1.039	3.600	0.877	59.200
311	15.550	51.016	142.910	142.929	1.218	3.010	0.852	57.000
312	15.600	51.180	165.320	165.336	1.205	2.610	0.729	50.000
313	15.650	51.345	194.070	194.084	1.368	2.190	0.705	48.200
314	15.700	51.509	189.910	189.921	1.648	1.790	0.868	0.000
315	15.750	51.673	164.780	164.791	1.931	1.710	1.172	0.000
316	15.800	51.837	149.150	149.161	1.868	1.750	1.252	0.000
317	15.850	52.001	148.560	148.571	1.712	1.750	1.152	0.000
318	15.900	52.165	166.820	166.831	1.743	1.770	1.045	0.000
319	15.950	52.329	205.500	205.512	2.042	1.910	0.994	0.000
320	16.000	52.493	238.330	238.343	2.499	2.120	1.048	0.000
321	16.050	52.657	239.250	239.264	2.747	2.290	1.148	0.000
322	16.100	52.821	237.580	237.595	2.668	2.480	1.123	0.000
323	16.150	52.985	235.010	235.026	2.492	2.510	1.060	0.000
324	16.200	53.149	229.790	229.807	2.466	2.690	1.073	0.000
325	16.250	53.313	233.900	233.917	2.533	2.770	1.083	0.000
326	16.300	53.477	238.340	238.358	2.592	2.960	1.087	0.000
327	16.350	53.641	251.320	251.339	2.902	3.080	1.155	0.000
328	16.400	53.805	279.150	279.170	0.000	3.230	0.000	0.000
329	16.450	53.969	290.530	290.553	0.000	3.640	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221571
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-9-3A
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-15-2013
CPT Time:	13:53
CPT File:	13-53075_GP9-3A.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722182.433
Northing / Lat:	4294309.732
Elevation:	145.955
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	14.000	14.001	0.002	0.180	0.014	34.100
2	0.100	0.328	45.540	45.541	0.078	0.130	0.171	41.700
3	0.150	0.492	65.310	65.311	0.234	0.140	0.358	41.800
4	0.200	0.656	69.650	69.651	0.279	0.130	0.401	53.000
5	0.250	0.820	70.010	70.011	0.738	0.170	1.054	61.600
6	0.300	0.984	58.990	58.991	0.956	0.160	1.621	71.700
7	0.350	1.148	28.390	28.392	1.410	0.380	4.966	74.200
8	0.400	1.312	31.710	31.713	0.697	0.560	2.198	77.400
9	0.450	1.476	67.360	67.359	0.888	-0.140	1.318	73.900
10	0.500	1.640	82.930	82.935	2.007	0.820	2.420	73.200
11	0.550	1.804	148.060	148.061	2.027	0.150	1.369	64.200
12	0.600	1.968	194.920	194.912	1.919	-1.260	0.985	68.100
13	0.650	2.133	150.440	150.448	2.176	1.270	1.446	76.900
14	0.700	2.297	163.130	163.132	1.983	0.300	1.216	76.200
15	0.750	2.461	148.320	148.326	2.099	0.970	1.415	71.600
16	0.800	2.625	159.370	159.375	3.186	0.850	1.999	77.600
17	0.850	2.789	194.560	194.568	1.977	1.290	1.016	67.400
18	0.900	2.953	216.060	216.079	1.716	2.990	0.794	72.100
19	0.950	3.117	220.380	220.385	3.639	0.870	1.651	62.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	201.940	201.967	2.524	4.250	1.250	71.100
21	1.050	3.445	173.080	173.097	3.181	2.790	1.838	77.400
22	1.100	3.609	70.370	70.372	2.933	0.300	4.168	72.000
23	1.150	3.773	68.700	68.723	2.083	3.700	3.031	79.300
24	1.200	3.937	57.150	57.173	2.256	3.670	3.946	74.800
25	1.250	4.101	38.200	38.227	2.056	4.260	5.378	74.600
26	1.300	4.265	37.960	37.988	1.800	4.410	4.738	77.700
27	1.350	4.429	42.640	42.660	1.421	3.230	3.331	67.200
28	1.400	4.593	55.600	55.608	1.094	1.360	1.967	80.300
29	1.450	4.757	51.670	51.670	1.367	0.020	2.646	71.200
30	1.500	4.921	47.090	47.103	1.447	2.020	3.072	75.900
31	1.550	5.085	28.630	28.641	1.451	1.750	5.066	63.900
32	1.600	5.249	36.130	36.136	1.081	0.970	2.991	82.300
33	1.650	5.413	19.610	19.613	0.950	0.450	4.844	62.200
34	1.700	5.577	24.670	24.677	0.942	1.060	3.817	72.400
35	1.750	5.741	25.220	25.221	0.932	0.120	3.695	66.400
36	1.800	5.905	23.780	23.772	0.930	-1.270	3.912	62.400
37	1.850	6.069	24.430	24.428	0.775	-0.250	3.173	70.400
38	1.900	6.234	36.050	36.038	0.766	-1.890	2.126	59.700
39	1.950	6.398	40.450	40.449	0.880	-0.220	2.176	62.300
40	2.000	6.562	42.850	42.856	1.109	0.970	2.588	72.600
41	2.050	6.726	39.010	39.012	1.068	0.280	2.738	64.800
42	2.100	6.890	32.860	32.863	0.809	0.410	2.462	70.300
43	2.150	7.054	47.640	47.638	0.813	-0.360	1.707	64.100
44	2.200	7.218	35.420	35.424	0.873	0.700	2.464	77.300
45	2.250	7.382	25.500	25.510	0.829	1.530	3.250	78.000
46	2.300	7.546	17.810	17.834	0.792	3.780	4.441	83.000
47	2.350	7.710	12.120	12.156	0.485	5.690	3.990	81.300
48	2.400	7.874	12.370	12.417	0.420	7.600	3.382	76.700
49	2.450	8.038	14.840	14.888	0.399	7.750	2.680	91.600
50	2.500	8.202	15.700	15.748	0.440	7.610	2.794	89.700
51	2.550	8.366	17.720	17.767	0.467	7.450	2.629	95.900
52	2.600	8.530	21.610	21.655	0.592	7.210	2.734	93.000
53	2.650	8.694	27.470	27.515	0.692	7.210	2.515	87.500
54	2.700	8.858	35.220	35.275	0.854	8.820	2.421	90.300
55	2.750	9.022	50.590	50.637	0.760	7.530	1.501	84.600
56	2.800	9.186	55.560	55.571	0.757	1.830	1.362	73.700
57	2.850	9.350	41.470	41.469	0.631	-0.230	1.522	61.600
58	2.900	9.514	35.820	35.820	0.604	-0.010	1.686	57.200
59	2.950	9.678	28.550	28.551	0.622	0.210	2.179	40.600
60	3.000	9.842	22.610	22.603	0.662	-1.160	2.929	36.000
61	3.050	10.006	27.290	27.293	0.409	0.490	1.499	33.700
62	3.100	10.170	47.870	47.880	0.990	1.530	2.068	31.700
63	3.150	10.335	61.450	61.450	1.125	0.000	1.831	28.900
64	3.200	10.499	38.260	38.262	1.036	0.260	2.708	31.800
65	3.250	10.663	28.880	28.888	0.866	1.210	2.998	32.800
66	3.300	10.827	35.300	35.296	0.647	-0.710	1.833	48.000
67	3.350	10.991	22.820	22.832	0.549	1.970	2.404	42.000
68	3.400	11.155	24.650	24.653	0.598	0.450	2.426	57.500
69	3.450	11.319	17.660	17.676	0.472	2.550	2.670	73.000
70	3.500	11.483	21.600	21.631	0.440	4.890	2.034	74.700
71	3.550	11.647	39.630	39.652	0.593	3.470	1.496	73.100
72	3.600	11.811	50.340	50.300	0.838	-6.380	1.666	74.600
73	3.650	11.975	46.020	45.975	1.058	-7.270	2.301	76.100
74	3.700	12.139	47.830	47.786	1.046	-7.120	2.189	80.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	64.090	64.041	1.091	-7.790	1.704	80.300
76	3.800	12.467	59.750	59.705	1.393	-7.230	2.333	80.200
77	3.850	12.631	59.430	59.389	1.292	-6.550	2.175	75.200
78	3.900	12.795	60.680	60.642	1.184	-6.030	1.952	61.200
79	3.950	12.959	49.380	49.341	1.069	-6.240	2.167	40.800
80	4.000	13.123	36.780	36.741	1.069	-6.170	2.910	23.100
81	4.050	13.287	29.020	28.986	0.947	-5.390	3.267	26.800
82	4.100	13.451	89.260	89.233	1.713	-4.360	1.920	20.200
83	4.150	13.615	57.270	57.255	2.081	-2.330	3.635	20.500
84	4.200	13.779	26.540	26.563	1.860	3.750	7.002	13.900
85	4.250	13.943	77.980	77.990	1.655	1.530	2.122	22.600
86	4.300	14.107	47.980	48.007	1.785	4.250	3.718	38.400
87	4.350	14.271	45.600	45.645	1.816	7.190	3.979	46.900
88	4.400	14.436	42.460	42.500	1.760	6.380	4.141	49.800
89	4.450	14.600	51.590	51.614	1.387	3.790	2.687	75.100
90	4.500	14.764	42.370	42.389	1.443	3.060	3.404	65.200
91	4.550	14.928	55.180	55.142	1.277	-6.080	2.316	92.000
92	4.600	15.092	57.860	57.813	1.250	-7.480	2.162	101.800
93	4.650	15.256	77.760	77.721	1.578	-6.190	2.030	103.800
94	4.700	15.420	63.720	63.679	1.850	-6.580	2.905	103.400
95	4.750	15.584	49.700	49.656	1.897	-7.010	3.820	101.500
96	4.800	15.748	33.060	33.013	1.516	-7.540	4.592	87.600
97	4.850	15.912	32.490	32.448	1.210	-6.730	3.729	99.500
98	4.900	16.076	43.530	43.489	1.076	-6.570	2.474	86.800
99	4.950	16.240	42.510	42.469	1.081	-6.640	2.545	89.700
100	5.000	16.404	36.660	36.615	1.161	-7.140	3.171	88.200
101	5.050	16.568	34.180	34.136	1.146	-7.110	3.357	85.400
102	5.100	16.732	28.590	28.544	1.083	-7.340	3.794	80.800
103	5.150	16.896	23.000	22.951	1.066	-7.780	4.645	73.400
104	5.200	17.060	21.480	21.429	0.890	-8.220	4.153	66.000
105	5.250	17.224	28.550	28.501	0.928	-7.850	3.256	63.600
106	5.300	17.388	12.380	12.332	0.629	-7.650	5.100	56.800
107	5.350	17.552	47.330	47.284	1.174	-7.310	2.483	59.000
108	5.400	17.716	88.690	88.647	1.194	-6.950	1.347	64.200
109	5.450	17.880	18.410	18.406	1.096	-0.590	5.954	78.100
110	5.500	18.044	17.840	17.834	0.524	-0.920	2.938	71.800
111	5.550	18.208	16.560	16.540	0.513	-3.200	3.102	74.500
112	5.600	18.372	16.520	16.503	0.501	-2.720	3.036	87.400
113	5.650	18.537	20.540	20.522	0.501	-2.870	2.441	65.900
114	5.700	18.701	17.590	17.563	0.430	-4.380	2.448	66.100
115	5.750	18.865	13.400	13.383	0.376	-2.770	2.810	67.100
116	5.800	19.029	8.890	8.878	0.369	-1.890	4.156	63.500
117	5.850	19.193	8.590	8.592	0.502	0.280	5.843	55.300
118	5.900	19.357	30.440	30.442	0.509	0.310	1.672	46.400
119	5.950	19.521	95.010	95.011	0.746	0.180	0.785	33.000
120	6.000	19.685	90.160	90.185	0.699	4.010	0.775	38.100
121	6.050	19.849	21.420	21.443	1.032	3.640	4.813	37.600
122	6.100	20.013	26.520	26.522	0.413	0.290	1.557	33.700
123	6.150	20.177	19.960	19.964	0.289	0.580	1.448	42.900
124	6.200	20.341	16.220	16.224	0.367	0.670	2.262	50.500
125	6.250	20.505	7.760	7.761	0.214	0.190	2.757	44.100
126	6.300	20.669	17.010	17.013	0.207	0.430	1.217	52.000
127	6.350	20.833	17.070	17.072	0.235	0.310	1.377	61.800
128	6.400	20.997	16.990	16.992	0.442	0.310	2.601	48.100
129	6.450	21.161	11.930	11.941	0.162	1.810	1.357	60.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	18.990	18.991	0.221	0.150	1.164	56.900
131	6.550	21.489	53.300	53.265	0.678	-5.580	1.273	57.100
132	6.600	21.653	57.060	56.988	1.542	-11.540	2.706	65.700
133	6.650	21.817	73.940	73.852	1.811	-14.110	2.452	57.400
134	6.700	21.981	44.100	43.999	1.780	-16.100	4.046	57.900
135	6.750	22.145	36.320	36.221	1.496	-15.780	4.130	66.900
136	6.800	22.309	35.350	35.256	1.354	-15.100	3.841	71.200
137	6.850	22.473	36.840	36.747	1.522	-14.830	4.142	74.300
138	6.900	22.638	53.750	53.659	2.236	-14.540	4.167	58.400
139	6.950	22.802	67.080	66.982	2.475	-15.770	3.695	69.300
140	7.000	22.966	43.050	42.956	1.979	-15.060	4.607	46.100
141	7.050	23.130	72.070	71.978	1.843	-14.700	2.560	41.600
142	7.100	23.294	44.960	44.961	1.121	0.200	2.493	47.000
143	7.150	23.458	55.010	55.008	1.531	-0.360	2.783	41.600
144	7.200	23.622	64.430	64.430	1.557	0.070	2.417	46.000
145	7.250	23.786	82.790	82.790	1.615	0.040	1.951	35.500
146	7.300	23.950	48.490	48.505	1.973	2.460	4.068	29.200
147	7.350	24.114	59.540	59.557	2.305	2.650	3.870	32.600
148	7.400	24.278	88.590	88.607	2.195	2.670	2.477	27.800
149	7.450	24.442	63.470	63.490	1.835	3.200	2.890	29.200
150	7.500	24.606	108.780	108.792	2.225	1.940	2.045	25.400
151	7.550	24.770	71.400	71.403	2.100	0.520	2.941	26.200
152	7.600	24.934	40.610	40.617	1.704	1.150	4.195	29.100
153	7.650	25.098	35.670	35.676	0.779	0.910	2.184	27.600
154	7.700	25.262	20.350	20.349	0.818	-0.120	4.020	21.400
155	7.750	25.426	17.590	17.589	0.810	-0.230	4.605	25.900
156	7.800	25.590	12.580	12.578	0.548	-0.270	4.357	31.100
157	7.850	25.754	32.190	32.189	0.491	-0.110	1.525	26.500
158	7.900	25.918	21.420	21.420	0.706	-0.050	3.296	18.100
159	7.950	26.082	31.920	31.922	1.874	0.330	5.871	17.500
160	8.000	26.246	57.730	57.738	2.499	1.320	4.328	16.000
161	8.050	26.410	140.040	140.076	4.604	5.740	3.287	14.400
162	8.100	26.574	134.350	134.418	4.943	10.930	3.677	14.900
163	8.150	26.739	73.180	73.238	4.239	9.300	5.788	15.400
164	8.200	26.903	45.360	45.421	2.215	9.720	4.877	19.700
165	8.250	27.067	55.180	55.236	0.718	9.000	1.300	25.900
166	8.300	27.231	15.960	15.988	0.694	4.450	4.341	23.300
167	8.350	27.395	25.150	25.166	0.552	2.610	2.193	35.900
168	8.400	27.559	17.590	17.616	0.638	4.230	3.622	33.300
169	8.450	27.723	33.310	33.348	0.585	6.140	1.754	33.200
170	8.500	27.887	35.520	35.561	0.847	6.580	2.382	30.300
171	8.550	28.051	47.540	47.566	1.233	4.160	2.592	23.900
172	8.600	28.215	47.030	47.050	1.459	3.260	3.101	33.000
173	8.650	28.379	41.300	41.330	1.452	4.750	3.513	33.600
174	8.700	28.543	39.320	39.349	1.410	4.720	3.583	35.400
175	8.750	28.707	27.460	27.476	1.188	2.590	4.324	29.000
176	8.800	28.871	52.120	52.150	1.099	4.800	2.107	25.100
177	8.850	29.035	78.260	78.289	1.947	4.680	2.487	24.000
178	8.900	29.199	105.690	105.707	2.157	2.710	2.041	18.100
179	8.950	29.363	58.020	58.045	2.291	4.070	3.947	20.200
180	9.000	29.527	42.910	42.939	2.221	4.570	5.173	28.100
181	9.050	29.691	22.930	22.953	1.464	3.750	6.378	28.800
182	9.100	29.855	104.940	104.957	1.196	2.650	1.140	33.800
183	9.150	30.019	69.270	69.278	1.157	1.330	1.670	48.000
184	9.200	30.183	42.780	42.802	1.107	3.480	2.586	67.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	29.060	29.079	0.832	3.120	2.861	81.800
186	9.300	30.511	25.150	25.170	0.554	3.240	2.201	88.400
187	9.350	30.675	19.950	19.972	0.586	3.560	2.934	63.100
188	9.400	30.840	22.160	22.186	0.687	4.220	3.096	65.000
189	9.450	31.004	26.610	26.643	0.645	5.300	2.421	58.500
190	9.500	31.168	54.730	54.761	1.156	4.930	2.111	59.300
191	9.550	31.332	74.550	74.581	1.243	4.930	1.667	63.100
192	9.600	31.496	86.230	86.262	1.119	5.180	1.297	72.700
193	9.650	31.660	115.270	115.301	0.934	4.940	0.810	58.400
194	9.700	31.824	127.850	127.879	1.321	4.600	1.033	60.600
195	9.750	31.988	128.180	128.207	1.521	4.350	1.186	64.900
196	9.800	32.152	139.640	139.664	1.577	3.880	1.129	51.800
197	9.850	32.316	109.400	109.424	2.030	3.830	1.855	60.900
198	9.900	32.480	79.620	79.642	2.157	3.590	2.708	63.400
199	9.950	32.644	49.420	49.442	1.770	3.480	3.580	53.100
200	10.000	32.808	50.460	50.484	1.573	3.890	3.116	53.500
201	10.050	32.972	44.380	44.411	1.265	5.010	2.848	56.600
202	10.100	33.136	37.420	37.446	1.145	4.230	3.058	70.400
203	10.150	33.300	24.570	24.593	0.957	3.630	3.891	64.900
204	10.200	33.464	22.820	22.849	0.783	4.660	3.427	63.700
205	10.250	33.628	27.550	27.583	0.912	5.260	3.306	73.200
206	10.300	33.792	31.010	31.045	1.215	5.590	3.914	54.500
207	10.350	33.956	86.880	86.917	1.805	5.860	2.077	41.400
208	10.400	34.120	76.260	76.301	2.027	6.540	2.657	30.300
209	10.450	34.284	91.420	91.456	2.518	5.720	2.753	28.700
210	10.500	34.448	65.850	65.884	2.028	5.400	3.078	21.700
211	10.550	34.612	50.040	50.074	2.052	5.470	4.098	25.800
212	10.600	34.776	78.340	78.371	1.874	4.910	2.391	18.800
213	10.650	34.941	61.870	61.897	1.733	4.350	2.800	20.500
214	10.700	35.105	52.200	52.226	1.449	4.170	2.774	22.400
215	10.750	35.269	31.570	31.594	1.356	3.910	4.292	18.700
216	10.800	35.433	22.540	22.560	1.235	3.210	5.474	23.900
217	10.850	35.597	42.990	42.999	1.239	1.520	2.881	21.100
218	10.900	35.761	62.370	62.389	1.874	3.090	3.004	21.000
219	10.950	35.925	52.530	52.549	2.459	3.090	4.679	14.700
220	11.000	36.089	57.970	57.984	2.436	2.220	4.201	28.200
221	11.050	36.253	46.520	46.534	1.656	2.190	3.559	28.300
222	11.100	36.417	42.090	42.102	0.955	1.890	2.268	27.100
223	11.150	36.581	46.390	46.400	0.880	1.620	1.897	31.900
224	11.200	36.745	46.810	46.812	1.081	0.250	2.309	31.500
225	11.250	36.909	51.300	51.320	1.341	3.140	2.613	49.700
226	11.300	37.073	47.110	47.133	1.567	3.660	3.325	55.200
227	11.350	37.237	38.290	38.318	1.545	4.520	4.032	51.100
228	11.400	37.401	30.040	30.062	1.357	3.490	4.514	49.200
229	11.450	37.565	46.590	46.615	1.255	4.080	2.692	50.000
230	11.500	37.729	37.600	37.625	1.244	4.020	3.306	34.000
231	11.550	37.893	39.330	39.346	1.417	2.560	3.601	37.200
232	11.600	38.057	43.220	43.233	1.364	2.110	3.155	44.500
233	11.650	38.221	41.300	41.315	1.379	2.330	3.338	42.700
234	11.700	38.385	31.230	31.247	1.049	2.740	3.357	48.700
235	11.750	38.549	23.370	23.392	0.824	3.500	3.523	40.600
236	11.800	38.713	21.950	21.977	0.926	4.340	4.213	33.200
237	11.850	38.877	23.390	23.409	1.046	3.010	4.468	33.600
238	11.900	39.042	80.670	80.687	1.679	2.790	2.081	31.100
239	11.950	39.206	68.000	68.017	1.779	2.780	2.616	28.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	77.520	77.538	2.332	2.950	3.008	36.300
241	12.050	39.534	93.820	93.837	2.078	2.720	2.214	22.600
242	12.100	39.698	81.580	81.591	1.912	1.700	2.343	18.300
243	12.150	39.862	89.750	89.757	2.244	1.140	2.500	19.700
244	12.200	40.026	94.920	94.940	2.294	3.160	2.416	18.900
245	12.250	40.190	63.820	63.833	2.091	2.050	3.276	19.400
246	12.300	40.354	85.580	85.599	2.524	3.000	2.949	15.500
247	12.350	40.518	230.030	230.051	2.827	3.320	1.229	32.800
248	12.400	40.682	154.020	154.029	2.977	1.470	1.933	31.800
249	12.450	40.846	90.460	90.465	2.258	0.750	2.496	27.300
250	12.500	41.010	88.320	88.325	1.986	0.860	2.249	29.900
251	12.550	41.174	64.020	64.028	1.805	1.210	2.819	26.200
252	12.600	41.338	70.110	70.118	2.241	1.320	3.196	30.600
253	12.650	41.502	67.820	67.830	2.211	1.550	3.260	36.700
254	12.700	41.666	108.980	108.991	3.111	1.710	2.854	30.900
255	12.750	41.830	123.070	123.085	3.266	2.420	2.653	42.400
256	12.800	41.994	51.520	51.541	2.833	3.410	5.497	52.100
257	12.850	42.158	41.810	41.832	2.260	3.590	5.403	47.700
258	12.900	42.322	46.200	46.221	1.496	3.340	3.237	38.400
259	12.950	42.486	49.040	49.060	1.500	3.220	3.057	44.200
260	13.000	42.650	43.010	43.027	1.554	2.690	3.612	34.800
261	13.050	42.814	34.860	34.872	1.185	1.900	3.398	31.900
262	13.100	42.978	27.860	27.867	0.802	1.120	2.878	29.100
263	13.150	43.143	25.120	25.124	0.571	0.690	2.273	36.600
264	13.200	43.307	18.570	18.573	0.411	0.470	2.213	32.500
265	13.250	43.471	14.670	14.671	0.566	0.200	3.858	35.600
266	13.300	43.635	23.360	23.359	0.631	-0.240	2.701	33.300
267	13.350	43.799	27.620	27.620	0.829	-0.040	3.001	38.500
268	13.400	43.963	37.830	37.833	1.056	0.470	2.791	37.600
269	13.450	44.127	47.140	47.146	1.161	0.910	2.463	50.700
270	13.500	44.291	40.260	40.263	1.131	0.440	2.809	53.600
271	13.550	44.455	39.390	39.400	1.144	1.530	2.904	52.900
272	13.600	44.619	45.050	45.051	0.891	0.150	1.978	66.900
273	13.650	44.783	50.930	50.931	1.142	0.200	2.242	66.700
274	13.700	44.947	61.730	61.729	1.094	-0.140	1.772	52.700
275	13.750	45.111	34.370	34.367	1.204	-0.490	3.503	64.200
276	13.800	45.275	26.080	26.075	1.234	-0.880	4.733	61.500
277	13.850	45.439	18.590	18.586	0.566	-0.630	3.045	64.900
278	13.900	45.603	17.580	17.576	0.453	-0.650	2.577	71.300
279	13.950	45.767	16.120	16.115	0.348	-0.730	2.159	69.000
280	14.000	45.931	13.030	13.025	0.264	-0.770	2.027	69.500
281	14.050	46.095	13.370	13.366	0.154	-0.690	1.152	81.900
282	14.100	46.259	12.860	12.855	0.198	-0.800	1.540	87.000
283	14.150	46.423	21.320	21.317	0.284	-0.540	1.332	92.100
284	14.200	46.587	49.480	49.479	0.438	-0.210	0.885	88.000
285	14.250	46.751	47.970	47.969	0.648	-0.220	1.351	84.700
286	14.300	46.915	31.900	31.900	0.921	-0.010	2.887	93.300
287	14.350	47.079	25.260	25.261	0.905	0.140	3.583	85.000
288	14.400	47.244	26.770	26.772	0.793	0.400	2.962	84.900
289	14.450	47.408	40.520	40.524	0.909	0.650	2.243	85.500
290	14.500	47.572	73.910	73.914	0.952	0.710	1.288	93.200
291	14.550	47.736	136.970	136.974	1.274	0.680	0.930	101.300
292	14.600	47.900	188.520	188.525	1.763	0.840	0.935	92.100
293	14.650	48.064	256.570	256.578	2.638	1.250	1.028	84.500
294	14.700	48.228	314.100	314.110	3.519	1.530	1.120	79.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	333.730	333.742	4.448	1.920	1.333	74.800
296	14.800	48.556	333.500	333.514	5.113	2.300	1.533	75.000
297	14.850	48.720	308.540	308.555	5.337	2.480	1.730	77.700
298	14.900	48.884	269.110	269.127	5.125	2.670	1.904	69.300
299	14.950	49.048	209.190	209.207	4.375	2.730	2.091	81.200
300	15.000	49.212	164.570	164.587	3.493	2.770	2.122	75.300
301	15.050	49.376	138.470	138.486	2.727	2.590	1.969	76.400
302	15.100	49.540	126.060	126.076	2.301	2.600	1.825	86.600
303	15.150	49.704	118.210	118.226	2.055	2.620	1.738	75.200
304	15.200	49.868	122.540	122.556	1.648	2.620	1.345	78.000
305	15.250	50.032	136.130	136.146	1.708	2.630	1.255	69.400
306	15.300	50.196	164.560	164.570	1.898	1.550	1.153	76.500
307	15.350	50.360	213.120	213.129	2.091	1.410	0.981	67.200
308	15.400	50.524	248.130	248.139	2.381	1.390	0.960	57.500
309	15.450	50.688	232.360	232.369	2.575	1.500	1.108	68.900
310	15.500	50.852	202.400	202.410	2.562	1.540	1.266	45.300
311	15.550	51.016	183.770	183.780	2.373	1.600	1.291	64.700
312	15.600	51.180	163.890	163.900	2.262	1.620	1.380	50.800
313	15.650	51.345	152.140	152.150	1.962	1.680	1.290	53.000
314	15.700	51.509	154.180	154.191	1.725	1.740	1.119	51.400
315	15.750	51.673	163.580	163.591	1.720	1.730	1.051	52.100
316	15.800	51.837	163.290	163.301	1.804	1.720	1.105	55.500
317	15.850	52.001	166.450	166.462	1.780	1.860	1.069	56.400
318	15.900	52.165	172.600	172.612	1.871	1.870	1.084	48.700
319	15.950	52.329	177.580	177.592	1.873	1.950	1.055	54.600
320	16.000	52.493	180.230	180.242	1.883	1.990	1.045	61.500
321	16.050	52.657	184.160	184.173	1.854	2.040	1.007	51.900
322	16.100	52.821	187.210	187.223	1.859	2.020	0.993	58.500
323	16.150	52.985	196.900	196.913	1.917	2.040	0.974	46.900
324	16.200	53.149	210.460	210.474	2.147	2.170	1.020	52.800
325	16.250	53.313	207.090	207.104	2.235	2.190	1.079	58.300
326	16.300	53.477	198.310	198.324	2.268	2.290	1.144	0.000
327	16.350	53.641	192.420	192.434	2.251	2.260	1.170	0.000
328	16.400	53.805	161.040	161.054	2.125	2.310	1.319	0.000
329	16.450	53.969	119.420	119.435	1.713	2.360	1.434	0.000
330	16.500	54.133	97.810	97.825	1.695	2.330	1.733	0.000
331	16.550	54.297	95.670	95.685	1.252	2.340	1.308	0.000
332	16.600	54.461	93.410	93.423	1.072	2.150	1.147	0.000
333	16.650	54.625	113.170	113.184	1.137	2.210	1.005	0.000
334	16.700	54.789	141.380	141.394	1.161	2.210	0.821	0.000
335	16.750	54.953	150.750	150.761	1.140	1.830	0.756	0.000
336	16.800	55.117	161.900	161.903	1.029	0.530	0.636	0.000
337	16.850	55.281	156.810	156.810	1.169	0.060	0.745	0.000
338	16.900	55.446	158.500	158.498	1.271	-0.290	0.802	0.000
339	16.950	55.610	178.040	178.038	1.425	-0.300	0.800	0.000
340	17.000	55.774	225.750	225.748	0.000	-0.300	0.000	0.000
341	17.050	55.938	260.960	260.959	0.000	-0.120	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221569
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-9-3
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-15-2013
CPT Time:	13:34
CPT File:	13-53075_GP9-3.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722182.375
Northing / Lat:	4294309.573
Elevation:	146.106
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	2.400	2.401	0.004	0.190	0.167	27.300
2	0.100	0.328	19.710	19.713	0.047	0.420	0.238	28.600
3	0.150	0.492	28.920	28.921	0.159	0.200	0.550	46.500
4	0.200	0.656	43.620	43.620	0.183	0.080	0.420	46.300
5	0.250	0.820	42.970	42.968	0.321	-0.370	0.747	55.500
6	0.300	0.984	25.350	25.361	0.495	1.690	1.952	59.900
7	0.350	1.148	27.030	27.032	0.609	0.270	2.253	54.900
8	0.400	1.312	40.080	40.081	0.581	0.110	1.450	59.000
9	0.450	1.476	37.260	37.267	0.451	1.190	1.210	58.700
10	0.500	1.640	47.500	47.506	0.390	0.900	0.821	54.800
11	0.550	1.804	61.770	61.773	0.495	0.420	0.801	60.700
12	0.600	1.968	79.510	79.535	0.574	4.030	0.722	47.700
13	0.650	2.133	69.870	69.888	0.699	2.850	1.000	56.500
14	0.700	2.297	67.340	67.356	0.743	2.520	1.103	0.000
15	0.750	2.461	70.020	70.028	0.730	1.290	1.042	0.000
16	0.800	2.625	78.500	78.503	0.783	0.410	0.997	0.000
17	0.850	2.789	102.370	102.393	1.433	3.630	1.400	0.000
18	0.900	2.953	133.930	133.948	4.192	2.900	3.130	0.000
19	0.950	3.117	213.170	213.177	3.117	1.160	1.462	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	304.450	304.464	4.078	2.300	1.339	0.000
21	1.050	3.445	281.210	281.237	6.390	4.380	2.272	0.000
22	1.100	3.609	241.540	241.560	5.157	3.140	2.135	0.000
23	1.150	3.773	200.270	200.299	3.204	4.580	1.600	0.000
24	1.200	3.937	142.350	142.356	2.622	1.010	1.842	0.000
25	1.250	4.101	104.330	104.339	1.849	1.470	1.772	0.000
26	1.300	4.265	100.080	100.090	2.863	1.560	2.860	0.000
27	1.350	4.429	87.520	87.535	4.955	2.350	5.661	0.000
28	1.400	4.593	97.900	97.906	3.380	0.900	3.452	0.000
29	1.450	4.757	324.570	324.576	0.000	1.010	0.000	0.000
30	1.500	4.921	392.630	392.631	0.000	0.190	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221572
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-9-4
Cone ID:	226:T1500F15U500
Operator:	DC/YB
CPT Date:	Feb-05-2014
CPT Time:	10:46
CPT File:	13-53075_GP9-4.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722182.760
Northing / Lat:	4294329.330
Elevation:	143.570
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	265.820	265.829	0.003	1.480	0.001	39.400
2	0.100	0.328	276.910	276.922	0.001	1.950	0.000	42.500
3	0.150	0.492	378.410	378.424	0.001	2.240	0.000	46.700
4	0.200	0.656	233.200	233.214	0.001	2.190	0.000	52.400
5	0.250	0.820	144.620	144.637	0.002	2.690	0.001	66.300
6	0.300	0.984	69.720	69.739	0.001	3.030	0.001	75.800
7	0.350	1.148	37.080	37.097	0.001	2.710	0.003	78.000
8	0.400	1.312	30.750	30.767	0.002	2.690	0.007	84.800
9	0.450	1.476	27.280	27.296	0.004	2.490	0.015	84.200
10	0.500	1.640	30.570	30.586	0.003	2.640	0.010	85.700
11	0.550	1.804	33.370	33.387	0.002	2.700	0.006	85.400
12	0.600	1.968	37.780	37.797	0.006	2.750	0.016	87.000
13	0.650	2.133	42.370	42.388	0.003	2.830	0.007	93.700
14	0.700	2.297	36.470	36.486	0.004	2.540	0.011	82.200
15	0.750	2.461	24.740	24.756	0.006	2.570	0.024	76.600
16	0.800	2.625	19.900	19.916	0.007	2.510	0.035	80.500
17	0.850	2.789	16.280	16.295	0.006	2.450	0.037	91.800
18	0.900	2.953	14.120	14.134	0.007	2.250	0.050	77.600
19	0.950	3.117	10.480	10.493	0.006	2.090	0.057	64.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	6.250	6.264	0.006	2.250	0.096	67.100
21	1.050	3.445	11.420	11.435	0.013	2.350	0.114	61.700
22	1.100	3.609	10.980	10.996	0.009	2.490	0.082	63.700
23	1.150	3.773	12.320	12.334	0.007	2.290	0.057	50.600
24	1.200	3.937	21.370	21.386	0.006	2.590	0.028	45.700
25	1.250	4.101	9.990	10.005	0.007	2.360	0.070	31.700
26	1.300	4.265	10.910	10.926	0.008	2.590	0.073	35.000
27	1.350	4.429	42.990	43.008	0.005	2.940	0.012	29.900
28	1.400	4.593	112.810	112.828	0.006	2.820	0.005	26.600
29	1.450	4.757	134.330	134.353	0.008	3.650	0.006	19.300
30	1.500	4.921	157.840	157.867	0.571	4.260	0.362	15.300
31	1.550	5.085	144.070	144.102	0.922	5.180	0.640	19.800
32	1.600	5.249	45.320	45.337	0.906	2.790	1.998	19.900
33	1.650	5.413	16.880	16.899	0.631	2.980	3.734	16.400
34	1.700	5.577	42.810	42.825	0.470	2.480	1.097	21.500
35	1.750	5.741	60.160	60.177	0.635	2.650	1.055	22.600
36	1.800	5.905	16.600	16.618	0.542	2.810	3.262	23.100
37	1.850	6.069	29.700	29.716	0.487	2.530	1.639	35.400
38	1.900	6.234	28.580	28.597	0.301	2.670	1.053	39.600
39	1.950	6.398	21.070	21.084	0.256	2.190	1.214	52.500
40	2.000	6.562	9.180	9.196	0.178	2.510	1.936	46.200
41	2.050	6.726	9.810	9.826	0.025	2.520	0.254	68.700
42	2.100	6.890	21.580	21.596	0.019	2.500	0.088	48.800
43	2.150	7.054	6.040	6.059	0.029	3.010	0.479	49.800
44	2.200	7.218	12.690	12.707	0.112	2.680	0.881	68.900
45	2.250	7.382	13.210	13.228	0.127	2.890	0.960	71.600
46	2.300	7.546	14.360	14.378	0.350	2.820	2.434	74.100
47	2.350	7.710	13.760	13.752	0.197	-1.270	1.433	72.800
48	2.400	7.874	26.820	26.810	0.356	-1.540	1.328	72.500
49	2.450	8.038	74.170	74.164	0.769	-1.040	1.037	75.400
50	2.500	8.202	45.150	45.147	0.572	-0.460	1.267	60.700
51	2.550	8.366	80.010	80.008	0.812	-0.320	1.015	59.600
52	2.600	8.530	52.550	52.558	0.711	1.240	1.353	55.800
53	2.650	8.694	46.450	46.456	0.817	0.910	1.759	40.900
54	2.700	8.858	29.710	29.720	0.650	1.600	2.187	38.600
55	2.750	9.022	34.860	34.870	0.633	1.660	1.815	27.000
56	2.800	9.186	19.950	19.964	0.247	2.260	1.237	27.000
57	2.850	9.350	30.360	30.371	0.905	1.820	2.980	21.000
58	2.900	9.514	89.330	89.341	0.922	1.750	1.032	24.800
59	2.950	9.678	15.890	15.903	0.909	2.060	5.716	27.700
60	3.000	9.842	14.770	14.783	0.537	2.130	3.632	29.200
61	3.050	10.006	12.890	12.897	0.619	1.200	4.799	20.700
62	3.100	10.170	32.100	32.109	0.860	1.370	2.678	28.300
63	3.150	10.335	48.470	48.480	0.477	1.580	0.984	30.100
64	3.200	10.499	81.120	81.128	0.630	1.360	0.777	29.300
65	3.250	10.663	86.340	86.349	0.791	1.500	0.916	22.400
66	3.300	10.827	90.300	90.308	1.562	1.240	1.730	22.900
67	3.350	10.991	47.440	47.448	2.114	1.310	4.455	29.600
68	3.400	11.155	58.610	58.616	2.235	0.940	3.813	21.600
69	3.450	11.319	49.430	49.439	1.013	1.430	2.049	23.500
70	3.500	11.483	40.080	40.090	0.934	1.580	2.330	25.100
71	3.550	11.647	69.760	69.770	1.184	1.550	1.697	22.000
72	3.600	11.811	47.200	47.263	1.240	10.160	2.624	21.500
73	3.650	11.975	20.630	20.693	1.039	10.120	5.021	23.900
74	3.700	12.139	17.960	18.014	0.263	8.700	1.460	22.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	14.780	14.829	0.263	7.780	1.774	28.700
76	3.800	12.467	16.300	16.345	0.280	7.200	1.713	34.100
77	3.850	12.631	11.010	11.055	0.653	7.220	5.907	31.800
78	3.900	12.795	10.680	10.721	0.204	6.610	1.903	38.000
79	3.950	12.959	89.410	89.448	0.965	6.120	1.079	38.900
80	4.000	13.123	133.070	133.109	1.989	6.170	1.494	36.000
81	4.050	13.287	99.840	99.871	3.064	5.040	3.068	37.100
82	4.100	13.451	52.990	53.022	1.864	5.100	3.516	34.600
83	4.150	13.615	91.790	91.814	1.345	3.880	1.465	37.400
84	4.200	13.779	95.420	95.442	1.432	3.530	1.500	44.100
85	4.250	13.943	125.080	125.098	4.228	2.860	3.380	29.900
86	4.300	14.107	177.830	177.850	1.359	3.170	0.764	23.900
87	4.350	14.271	177.530	177.542	1.730	1.910	0.974	31.100
88	4.400	14.436	153.330	153.346	3.132	2.560	2.042	37.600
89	4.450	14.600	46.810	46.825	2.550	2.440	5.446	27.700
90	4.500	14.764	84.360	84.371	1.086	1.740	1.287	40.900
91	4.550	14.928	30.400	30.417	4.546	2.690	14.946	43.300
92	4.600	15.092	65.320	65.342	3.317	3.480	5.076	35.600
93	4.650	15.256	109.930	109.940	1.361	1.620	1.238	35.200
94	4.700	15.420	50.580	50.594	2.920	2.200	5.771	40.900
95	4.750	15.584	80.200	80.217	3.234	2.700	4.032	51.500
96	4.800	15.748	48.670	48.684	3.081	2.300	6.329	53.500
97	4.850	15.912	86.530	86.538	2.019	1.260	2.333	65.200
98	4.900	16.076	97.070	97.080	1.701	1.620	1.752	62.700
99	4.950	16.240	66.720	66.730	1.949	1.620	2.921	77.400
100	5.000	16.404	31.010	31.037	2.115	4.380	6.814	74.300
101	5.050	16.568	44.920	44.944	1.152	3.890	2.563	73.600
102	5.100	16.732	43.220	43.252	1.259	5.120	2.911	68.000
103	5.150	16.896	49.050	49.083	1.561	5.240	3.180	67.500
104	5.200	17.060	61.590	61.621	1.731	4.970	2.809	77.400
105	5.250	17.224	53.750	53.782	1.750	5.200	3.254	69.600
106	5.300	17.388	57.560	57.601	1.582	6.580	2.746	69.000
107	5.350	17.552	68.700	68.742	1.733	6.750	2.521	73.500
108	5.400	17.716	78.350	78.392	1.972	6.700	2.516	73.500
109	5.450	17.880	60.680	60.713	1.903	5.350	3.134	86.100
110	5.500	18.044	46.140	46.170	1.108	4.780	2.400	92.800
111	5.550	18.208	43.020	43.051	1.236	4.950	2.871	76.700
112	5.600	18.372	48.230	48.284	1.536	8.620	3.181	85.700
113	5.650	18.537	72.060	72.120	2.209	9.580	3.063	76.200
114	5.700	18.701	83.780	83.842	2.620	9.860	3.125	60.800
115	5.750	18.865	87.800	87.855	2.627	8.880	2.990	67.400
116	5.800	19.029	81.750	81.808	2.816	9.220	3.442	50.400
117	5.850	19.193	72.220	72.276	2.571	8.900	3.557	46.400
118	5.900	19.357	85.010	85.066	2.826	9.050	3.322	44.600
119	5.950	19.521	93.030	93.083	2.885	8.480	3.099	47.700
120	6.000	19.685	83.480	83.536	2.752	9.050	3.294	55.700
121	6.050	19.849	79.390	79.448	2.546	9.300	3.205	52.700
122	6.100	20.013	84.650	84.709	2.181	9.390	2.575	60.600
123	6.150	20.177	94.440	94.496	3.037	8.910	3.214	67.200
124	6.200	20.341	105.430	105.482	2.533	8.320	2.401	63.000
125	6.250	20.505	60.990	61.037	2.159	7.510	3.537	59.900
126	6.300	20.669	38.000	38.047	1.990	7.510	5.230	59.700
127	6.350	20.833	46.000	46.042	1.950	6.660	4.235	61.400
128	6.400	20.997	55.770	55.806	1.501	5.710	2.690	53.900
129	6.450	21.161	43.930	43.960	1.815	4.820	4.129	41.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	56.550	56.573	1.273	3.740	2.250	30.300
131	6.550	21.489	65.940	65.960	1.305	3.250	1.978	24.500
132	6.600	21.653	78.090	78.103	2.020	2.070	2.586	30.900
133	6.650	21.817	89.430	89.450	2.071	3.220	2.315	23.300
134	6.700	21.981	50.830	50.849	1.743	3.040	3.428	30.800
135	6.750	22.145	61.040	61.064	1.712	3.810	2.804	20.200
136	6.800	22.309	36.930	36.952	1.659	3.530	4.490	27.400
137	6.850	22.473	39.930	39.960	1.536	4.850	3.844	41.100
138	6.900	22.638	66.140	66.179	1.369	6.200	2.069	37.600
139	6.950	22.802	34.440	34.472	1.273	5.140	3.693	50.800
140	7.000	22.966	16.400	16.432	0.935	5.130	5.690	56.800
141	7.050	23.130	14.860	14.897	0.673	5.890	4.518	58.800
142	7.100	23.294	16.010	16.050	0.605	6.450	3.769	51.300
143	7.150	23.458	24.530	24.572	0.818	6.740	3.329	44.000
144	7.200	23.622	41.540	41.589	0.984	7.780	2.366	32.700
145	7.250	23.786	46.610	46.641	1.218	4.900	2.611	38.800
146	7.300	23.950	37.820	37.853	1.146	5.290	3.027	55.100
147	7.350	24.114	21.850	21.876	0.979	4.220	4.475	37.700
148	7.400	24.278	26.100	26.132	0.973	5.170	3.723	41.400
149	7.450	24.442	40.090	40.118	0.995	4.430	2.480	41.300
150	7.500	24.606	51.550	51.574	0.851	3.920	1.650	49.400
151	7.550	24.770	79.520	79.544	0.496	3.800	0.624	57.800
152	7.600	24.934	87.650	87.667	0.582	2.660	0.664	56.700
153	7.650	25.098	50.940	50.956	0.616	2.500	1.209	71.100
154	7.700	25.262	55.730	55.749	0.537	3.080	0.963	83.300
155	7.750	25.426	70.060	70.078	0.360	2.880	0.514	67.800
156	7.800	25.590	75.230	75.245	0.395	2.450	0.525	74.400
157	7.850	25.754	65.140	65.153	0.418	2.120	0.642	62.700
158	7.900	25.918	58.830	58.844	0.405	2.210	0.688	62.500
159	7.950	26.082	44.750	44.763	0.274	2.060	0.612	83.200
160	8.000	26.246	36.120	36.134	0.246	2.220	0.681	70.400
161	8.050	26.410	29.590	29.605	0.216	2.440	0.730	60.700
162	8.100	26.574	32.400	32.413	0.485	2.100	1.496	39.800
163	8.150	26.739	47.170	47.183	0.424	2.020	0.899	34.700
164	8.200	26.903	87.300	87.315	0.773	2.340	0.885	38.500
165	8.250	27.067	123.220	123.243	1.076	3.680	0.873	26.700
166	8.300	27.231	70.880	70.915	1.580	5.670	2.228	33.400
167	8.350	27.395	89.870	89.891	2.472	3.360	2.750	30.000
168	8.400	27.559	100.450	100.476	2.349	4.220	2.338	30.100
169	8.450	27.723	74.610	74.637	2.466	4.260	3.304	34.800
170	8.500	27.887	80.010	80.033	1.978	3.660	2.471	27.600
171	8.550	28.051	52.380	52.405	1.026	4.020	1.958	25.000
172	8.600	28.215	90.650	90.673	0.550	3.760	0.607	25.400
173	8.650	28.379	73.280	73.302	1.249	3.560	1.704	25.200
174	8.700	28.543	69.730	69.754	1.712	3.920	2.454	20.600
175	8.750	28.707	34.450	34.466	1.832	2.590	5.315	17.800
176	8.800	28.871	19.130	19.147	1.287	2.740	6.722	21.700
177	8.850	29.035	24.210	24.235	1.100	3.930	4.539	29.500
178	8.900	29.199	46.900	46.925	1.376	4.000	2.932	30.300
179	8.950	29.363	32.430	32.454	1.584	3.780	4.881	31.300
180	9.000	29.527	18.610	18.632	1.433	3.540	7.691	29.200
181	9.050	29.691	20.020	20.042	1.247	3.500	6.222	18.600
182	9.100	29.855	12.700	12.724	0.475	3.790	3.733	15.900
183	9.150	30.019	67.350	67.372	1.026	3.590	1.523	17.400
184	9.200	30.183	69.740	69.760	1.180	3.260	1.692	16.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	36.280	36.304	1.631	3.880	4.493	18.700
186	9.300	30.511	49.340	49.365	1.146	3.990	2.321	19.200
187	9.350	30.675	25.640	25.661	1.113	3.440	4.337	17.700
188	9.400	30.840	40.090	40.111	1.055	3.440	2.630	24.600
189	9.450	31.004	27.610	27.629	0.862	3.110	3.120	24.400
190	9.500	31.168	27.710	27.726	0.771	2.620	2.781	31.700
191	9.550	31.332	14.090	14.112	0.683	3.460	4.840	36.300
192	9.600	31.496	10.360	10.388	0.601	4.520	5.785	40.000
193	9.650	31.660	14.950	14.979	0.506	4.650	3.378	32.300
194	9.700	31.824	13.420	13.452	0.507	5.060	3.769	27.700
195	9.750	31.988	19.570	19.598	0.664	4.510	3.388	27.600
196	9.800	32.152	109.120	109.142	1.252	3.500	1.147	26.600
197	9.850	32.316	86.280	86.314	1.553	5.390	1.799	26.500
198	9.900	32.480	49.090	49.118	1.319	4.470	2.685	32.600
199	9.950	32.644	16.850	16.871	1.097	3.350	6.502	29.900
200	10.000	32.808	17.850	17.870	0.658	3.140	3.682	33.100
201	10.050	32.972	19.820	19.843	0.854	3.760	4.304	29.100
202	10.100	33.136	23.150	23.175	0.739	3.980	3.189	33.500
203	10.150	33.300	17.660	17.704	0.909	6.990	5.135	29.700
204	10.200	33.464	26.180	26.211	1.072	5.020	4.090	23.100
205	10.250	33.628	31.510	31.544	1.325	5.410	4.201	23.200
206	10.300	33.792	24.820	24.862	1.122	6.750	4.513	12.500
207	10.350	33.956	13.600	13.642	1.104	6.660	8.093	19.100
208	10.400	34.120	35.170	35.208	1.036	6.020	2.943	15.400
209	10.450	34.284	31.650	31.696	1.219	7.420	3.846	11.100
210	10.500	34.448	27.950	27.994	1.148	7.060	4.101	13.900
211	10.550	34.612	21.620	21.664	0.928	7.110	4.284	16.600
212	10.600	34.776	15.910	15.942	0.737	5.070	4.623	14.000
213	10.650	34.941	43.220	43.251	0.968	4.900	2.238	20.000
214	10.700	35.105	29.470	29.504	1.037	5.370	3.515	22.900
215	10.750	35.269	26.550	26.597	1.144	7.540	4.301	16.600
216	10.800	35.433	34.470	34.510	1.079	6.460	3.127	13.300
217	10.850	35.597	27.950	27.994	1.154	7.080	4.122	15.000
218	10.900	35.761	31.620	31.661	1.175	6.560	3.711	11.300
219	10.950	35.925	54.390	54.429	1.023	6.230	1.880	9.600
220	11.000	36.089	49.010	49.045	0.816	5.560	1.664	16.800
221	11.050	36.253	21.830	21.861	0.983	4.970	4.497	20.200
222	11.100	36.417	26.330	26.359	0.984	4.610	3.733	22.700
223	11.150	36.581	37.510	37.543	1.029	5.270	2.741	29.700
224	11.200	36.745	51.640	51.678	1.051	6.070	2.034	30.000
225	11.250	36.909	49.500	49.530	1.167	4.800	2.356	48.500
226	11.300	37.073	38.120	38.150	1.057	4.760	2.771	70.100
227	11.350	37.237	36.170	36.206	0.967	5.750	2.671	76.100
228	11.400	37.401	25.040	25.089	0.892	7.900	3.555	70.000
229	11.450	37.565	19.850	19.908	0.774	9.230	3.888	65.500
230	11.500	37.729	22.120	22.186	0.915	10.630	4.124	52.600
231	11.550	37.893	20.260	20.331	1.019	11.390	5.012	39.700
232	11.600	38.057	33.370	33.442	1.012	11.510	3.026	38.100
233	11.650	38.221	28.550	28.614	1.359	10.220	4.749	28.900
234	11.700	38.385	34.090	34.144	1.627	8.610	4.765	20.800
235	11.750	38.549	34.840	34.892	1.215	8.290	3.482	17.300
236	11.800	38.713	37.010	37.062	1.117	8.280	3.014	16.000
237	11.850	38.877	32.250	32.298	0.928	7.620	2.873	21.500
238	11.900	39.042	30.060	30.099	0.874	6.290	2.904	16.300
239	11.950	39.206	32.360	32.397	0.921	5.930	2.843	12.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	45.510	45.550	1.339	6.470	2.940	9.000
241	12.050	39.534	39.660	39.705	1.595	7.150	4.017	15.400
242	12.100	39.698	44.320	44.365	2.058	7.200	4.639	13.800
243	12.150	39.862	62.610	62.672	2.067	9.910	3.298	11.900
244	12.200	40.026	76.680	76.847	1.597	26.780	2.078	16.100
245	12.250	40.190	5.340	5.447	1.210	17.220	22.212	24.900
246	12.300	40.354	2.940	3.013	0.561	11.620	18.622	29.500
247	12.350	40.518	61.310	61.370	0.838	9.620	1.365	34.000
248	12.400	40.682	102.790	102.846	1.329	9.000	1.292	53.800
249	12.450	40.846	58.490	58.549	1.551	9.440	2.649	64.500
250	12.500	41.010	41.660	41.702	1.637	6.690	3.925	68.400
251	12.550	41.174	40.190	40.248	1.289	9.310	3.203	85.600
252	12.600	41.338	48.470	48.532	1.161	9.920	2.392	81.600
253	12.650	41.502	49.910	49.970	1.252	9.560	2.506	85.700
254	12.700	41.666	40.680	40.737	1.146	9.190	2.813	77.100
255	12.750	41.830	30.370	30.429	0.848	9.410	2.787	74.800
256	12.800	41.994	58.010	58.070	1.024	9.680	1.763	71.500
257	12.850	42.158	49.760	49.820	1.056	9.580	2.120	74.700
258	12.900	42.322	36.330	36.389	0.967	9.510	2.657	77.900
259	12.950	42.486	33.790	33.851	0.807	9.780	2.384	61.500
260	13.000	42.650	35.660	35.720	0.658	9.600	1.842	48.600
261	13.050	42.814	25.910	25.970	1.015	9.600	3.908	44.200
262	13.100	42.978	34.840	34.899	1.784	9.400	5.112	34.500
263	13.150	43.143	77.620	77.677	2.035	9.200	2.620	22.900
264	13.200	43.307	33.680	33.729	2.265	7.910	6.715	20.500
265	13.250	43.471	22.890	22.934	1.457	7.090	6.353	23.200
266	13.300	43.635	5.560	5.599	0.624	6.260	11.145	11.000
267	13.350	43.799	29.560	29.599	0.932	6.320	3.149	19.500
268	13.400	43.963	23.000	23.036	0.860	5.750	3.733	17.200
269	13.450	44.127	41.820	41.852	1.380	5.090	3.297	11.000
270	13.500	44.291	92.470	92.509	2.619	6.240	2.831	13.500
271	13.550	44.455	127.800	127.833	3.618	5.340	2.830	18.700
272	13.600	44.619	87.600	87.640	3.781	6.370	4.314	13.100
273	13.650	44.783	75.000	75.055	3.581	8.780	4.771	19.100
274	13.700	44.947	53.790	53.844	2.709	8.580	5.031	13.300
275	13.750	45.111	52.130	52.182	2.368	8.300	4.538	18.300
276	13.800	45.275	71.960	72.006	2.055	7.410	2.854	14.100
277	13.850	45.439	36.560	36.606	2.498	7.430	6.824	14.700
278	13.900	45.603	18.090	18.133	2.419	6.830	13.341	16.500
279	13.950	45.767	72.180	72.230	1.699	8.070	2.352	20.500
280	14.000	45.931	39.080	39.127	1.468	7.490	3.752	21.000
281	14.050	46.095	32.890	32.934	1.715	7.080	5.207	28.100
282	14.100	46.259	44.450	44.489	1.065	6.250	2.394	43.200
283	14.150	46.423	83.020	83.046	0.920	4.240	1.108	51.100
284	14.200	46.587	107.280	107.317	0.771	5.990	0.718	60.200
285	14.250	46.751	119.130	119.171	0.903	6.610	0.758	57.000
286	14.300	46.915	121.380	121.421	1.060	6.590	0.873	55.900
287	14.350	47.079	116.700	116.739	1.305	6.170	1.118	60.100
288	14.400	47.244	134.580	134.623	1.168	6.950	0.868	57.600
289	14.450	47.408	148.380	148.423	1.216	6.850	0.819	52.000
290	14.500	47.572	178.410	178.453	1.311	6.900	0.735	56.600
291	14.550	47.736	199.190	199.234	1.494	7.000	0.750	59.600
292	14.600	47.900	215.940	215.988	1.785	7.680	0.826	58.100
293	14.650	48.064	265.830	265.877	2.217	7.540	0.834	59.100
294	14.700	48.228	283.050	283.097	2.441	7.590	0.862	52.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	276.410	276.458	2.542	7.690	0.919	52.500
296	14.800	48.556	273.310	273.359	2.583	7.890	0.945	55.600
297	14.850	48.720	258.600	258.651	2.599	8.110	1.005	57.900
298	14.900	48.884	237.050	237.101	2.575	8.160	1.086	58.700
299	14.950	49.048	209.640	209.690	2.495	8.060	1.190	54.900
300	15.000	49.212	183.670	183.719	2.322	7.910	1.264	61.500
301	15.050	49.376	154.700	154.751	1.986	8.100	1.283	52.800
302	15.100	49.540	142.600	142.652	1.638	8.270	1.148	61.400
303	15.150	49.704	145.000	145.051	1.475	8.220	1.017	68.200
304	15.200	49.868	150.340	150.393	1.490	8.480	0.991	53.500
305	15.250	50.032	145.320	145.373	1.420	8.520	0.977	59.100
306	15.300	50.196	136.200	136.254	1.287	8.580	0.945	0.000
307	15.350	50.360	129.450	129.504	1.164	8.650	0.899	0.000
308	15.400	50.524	124.680	124.734	1.108	8.610	0.888	0.000
309	15.450	50.688	120.340	120.392	1.020	8.400	0.847	0.000
310	15.500	50.852	129.480	129.534	1.020	8.610	0.787	0.000
311	15.550	51.016	151.380	151.433	0.994	8.520	0.656	0.000
312	15.600	51.180	154.530	154.580	0.919	8.080	0.595	0.000
313	15.650	51.345	166.270	166.320	0.859	7.960	0.516	0.000
314	15.700	51.509	166.160	166.209	1.005	7.840	0.605	0.000
315	15.750	51.673	159.280	159.329	1.204	7.890	0.756	0.000
316	15.800	51.837	146.000	146.048	1.418	7.670	0.971	0.000
317	15.850	52.001	164.650	164.699	1.682	7.860	1.021	0.000
318	15.900	52.165	174.150	174.200	1.594	8.030	0.915	0.000
319	15.950	52.329	183.740	183.788	1.563	7.660	0.850	0.000
320	16.000	52.493	231.470	231.518	0.000	7.750	0.000	0.000
321	16.050	52.657	300.530	300.577	0.000	7.450	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221574
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-10-1
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-19-2013
CPT Time:	16:02
CPT File:	13-53075_GP10-1.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722189.922
Northing / Lat:	4294352.974
Elevation:	143.472
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	19.280	19.282	0.049	0.390	0.254	34.500
2	0.100	0.328	63.270	63.272	0.154	0.250	0.243	43.400
3	0.150	0.492	66.130	66.134	0.228	0.670	0.345	46.600
4	0.200	0.656	70.980	70.984	0.761	0.680	1.072	48.700
5	0.250	0.820	53.030	53.036	0.826	1.030	1.557	81.400
6	0.300	0.984	19.870	19.885	0.873	2.350	4.390	27.200
7	0.350	1.148	23.710	23.724	0.752	2.320	3.170	10.000
8	0.400	1.312	52.160	52.175	0.855	2.360	1.639	98.400
9	0.450	1.476	69.390	69.398	1.186	1.330	1.709	93.300
10	0.500	1.640	82.400	82.408	1.498	1.220	1.818	113.800
11	0.550	1.804	94.840	94.845	1.663	0.830	1.753	110.200
12	0.600	1.968	109.860	109.865	1.769	0.740	1.610	27.800
13	0.650	2.133	110.010	110.012	1.899	0.360	1.726	86.200
14	0.700	2.297	88.610	88.611	1.817	0.150	2.051	94.300
15	0.750	2.461	68.030	68.029	1.494	-0.200	2.196	110.400
16	0.800	2.625	56.900	56.897	1.243	-0.490	2.185	112.100
17	0.850	2.789	74.060	74.057	1.200	-0.450	1.620	90.000
18	0.900	2.953	90.890	90.889	1.289	-0.190	1.418	90.300
19	0.950	3.117	52.570	52.571	1.310	0.150	2.492	89.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	33.620	33.623	1.126	0.550	3.349	84.700
21	1.050	3.445	35.850	35.851	0.882	0.160	2.460	94.300
22	1.100	3.609	36.100	36.091	0.611	-1.390	1.693	69.400
23	1.150	3.773	29.810	29.789	0.841	-3.400	2.823	62.300
24	1.200	3.937	23.070	23.050	1.015	-3.230	4.404	48.700
25	1.250	4.101	48.730	48.730	0.939	0.000	1.927	47.000
26	1.300	4.265	53.740	53.746	1.396	0.970	2.597	35.900
27	1.350	4.429	40.770	40.773	1.143	0.530	2.803	31.700
28	1.400	4.593	9.480	9.479	1.491	-0.100	15.729	33.300
29	1.450	4.757	21.040	21.040	1.406	-0.080	6.683	21.300
30	1.500	4.921	16.870	16.871	0.418	0.170	2.478	26.000
31	1.550	5.085	13.420	13.419	0.522	-0.100	3.890	31.400
32	1.600	5.249	29.790	29.789	0.379	-0.150	1.272	37.300
33	1.650	5.413	20.520	20.522	0.491	0.360	2.393	52.800
34	1.700	5.577	10.460	10.460	0.364	-0.030	3.480	56.100
35	1.750	5.741	13.790	13.800	0.365	1.590	2.645	73.000
36	1.800	5.905	18.280	18.318	0.378	6.070	2.064	91.200
37	1.850	6.069	14.410	14.380	0.393	-4.740	2.733	98.300
38	1.900	6.234	10.110	10.049	0.374	-9.780	3.722	104.700
39	1.950	6.398	13.520	13.458	0.417	-9.920	3.099	110.700
40	2.000	6.562	15.890	15.827	0.244	-10.070	1.542	85.900
41	2.050	6.726	31.610	31.544	0.328	-10.630	1.040	64.200
42	2.100	6.890	19.610	19.611	0.310	0.160	1.581	52.300
43	2.150	7.054	23.390	23.389	0.396	-0.180	1.693	40.400
44	2.200	7.218	22.650	22.653	0.236	0.440	1.042	40.800
45	2.250	7.382	9.570	9.573	0.304	0.550	3.175	42.000
46	2.300	7.546	7.470	7.466	0.792	-0.570	10.607	31.000
47	2.350	7.710	21.170	21.167	0.951	-0.410	4.493	31.100
48	2.400	7.874	68.150	68.150	1.128	-0.070	1.655	26.200
49	2.450	8.038	16.010	16.012	0.891	0.350	5.565	35.900
50	2.500	8.202	9.810	9.811	0.733	0.160	7.471	36.700
51	2.550	8.366	12.770	12.767	0.135	-0.420	1.057	51.100
52	2.600	8.530	10.440	10.440	0.166	-0.050	1.590	54.200
53	2.650	8.694	17.560	17.570	0.226	1.580	1.286	61.400
54	2.700	8.858	6.740	6.738	0.201	-0.250	2.983	63.700
55	2.750	9.022	8.230	8.236	0.218	1.010	2.647	60.600
56	2.800	9.186	9.340	9.333	0.170	-1.100	1.821	66.800
57	2.850	9.350	28.280	28.271	0.287	-1.450	1.015	63.700
58	2.900	9.514	35.530	35.528	0.684	-0.300	1.925	67.200
59	2.950	9.678	27.550	27.552	0.704	0.260	2.555	74.800
60	3.000	9.842	32.110	32.114	0.766	0.700	2.385	75.500
61	3.050	10.006	41.800	41.802	0.929	0.350	2.222	81.500
62	3.100	10.170	42.300	42.297	1.104	-0.460	2.610	90.000
63	3.150	10.335	32.730	32.730	1.284	0.040	3.923	101.500
64	3.200	10.499	33.470	33.436	1.264	-5.500	3.780	92.400
65	3.250	10.663	45.660	45.627	1.416	-5.250	3.103	87.000
66	3.300	10.827	69.210	69.175	1.638	-5.600	2.368	79.700
67	3.350	10.991	68.180	68.141	1.752	-6.310	2.571	91.800
68	3.400	11.155	48.330	48.285	1.920	-7.260	3.976	90.400
69	3.450	11.319	34.490	34.439	1.836	-8.180	5.331	90.100
70	3.500	11.483	24.320	24.255	1.543	-10.470	6.362	108.200
71	3.550	11.647	21.870	21.803	1.289	-10.770	5.912	91.400
72	3.600	11.811	22.600	22.532	1.213	-10.910	5.383	91.100
73	3.650	11.975	26.740	26.671	1.448	-11.130	5.429	79.600
74	3.700	12.139	54.880	54.877	1.651	-0.440	3.009	75.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	53.830	53.827	1.647	-0.470	3.060	79.800
76	3.800	12.467	42.750	42.747	1.634	-0.500	3.823	82.600
77	3.850	12.631	37.460	37.459	1.491	-0.110	3.980	79.900
78	3.900	12.795	47.400	47.400	1.585	0.050	3.344	73.700
79	3.950	12.959	44.990	44.987	1.818	-0.460	4.041	60.200
80	4.000	13.123	35.880	35.873	1.785	-1.060	4.976	56.200
81	4.050	13.287	60.880	60.873	1.822	-1.050	2.993	36.500
82	4.100	13.451	74.940	74.941	1.985	0.200	2.649	33.600
83	4.150	13.615	70.940	70.947	2.477	1.050	3.491	35.300
84	4.200	13.779	73.220	73.222	2.763	0.320	3.773	32.500
85	4.250	13.943	59.550	59.554	4.386	0.720	7.365	30.000
86	4.300	14.107	96.420	96.424	5.164	0.670	5.356	42.600
87	4.350	14.271	223.420	223.429	3.181	1.380	1.424	42.100
88	4.400	14.436	99.580	99.594	2.925	2.300	2.937	53.200
89	4.450	14.600	125.950	125.951	3.247	0.210	2.578	66.800
90	4.500	14.764	69.090	69.091	2.004	0.150	2.901	81.500
91	4.550	14.928	29.240	29.254	1.179	2.300	4.030	78.100
92	4.600	15.092	14.530	14.544	0.597	2.170	4.105	84.400
93	4.650	15.256	15.730	15.742	0.595	1.990	3.780	109.300
94	4.700	15.420	18.070	18.072	0.636	0.290	3.519	78.000
95	4.750	15.584	21.870	21.873	0.603	0.440	2.757	85.100
96	4.800	15.748	15.700	15.699	0.636	-0.190	4.051	82.100
97	4.850	15.912	13.300	13.313	0.551	2.030	4.139	67.800
98	4.900	16.076	21.200	21.215	0.505	2.470	2.380	59.400
99	4.950	16.240	32.690	32.708	0.487	2.810	1.489	53.500
100	5.000	16.404	38.950	38.951	0.732	0.200	1.879	56.800
101	5.050	16.568	39.760	39.757	0.829	-0.430	2.085	60.100
102	5.100	16.732	21.440	21.449	0.687	1.420	3.203	55.200
103	5.150	16.896	20.560	20.561	0.531	0.180	2.583	58.000
104	5.200	17.060	27.840	27.838	0.485	-0.280	1.742	49.600
105	5.250	17.224	27.240	27.235	0.607	-0.750	2.229	44.800
106	5.300	17.388	23.820	23.830	0.641	1.610	2.690	41.200
107	5.350	17.552	23.810	23.809	0.729	-0.140	3.062	39.300
108	5.400	17.716	29.690	29.702	0.616	1.970	2.074	34.000
109	5.450	17.880	37.050	37.059	0.568	1.400	1.533	27.500
110	5.500	18.044	34.340	34.347	0.491	1.050	1.430	21.000
111	5.550	18.208	36.320	36.323	0.567	0.510	1.561	22.500
112	5.600	18.372	36.790	36.793	0.767	0.530	2.085	21.000
113	5.650	18.537	49.570	49.574	1.589	0.630	3.205	20.200
114	5.700	18.701	86.680	86.682	1.543	0.390	1.780	18.400
115	5.750	18.865	77.420	77.431	2.619	1.780	3.382	28.800
116	5.800	19.029	84.260	84.262	2.126	0.250	2.523	29.600
117	5.850	19.193	45.920	45.944	1.631	3.910	3.550	36.600
118	5.900	19.357	67.130	67.149	1.213	3.090	1.806	38.400
119	5.950	19.521	54.170	54.181	0.944	1.790	1.742	43.600
120	6.000	19.685	39.080	39.095	0.877	2.370	2.243	53.900
121	6.050	19.849	43.490	43.497	0.694	1.130	1.596	41.900
122	6.100	20.013	41.330	41.342	0.707	1.980	1.710	38.700
123	6.150	20.177	32.700	32.710	0.667	1.570	2.039	29.200
124	6.200	20.341	32.820	32.829	0.717	1.490	2.184	20.300
125	6.250	20.505	29.890	29.916	0.765	4.130	2.557	27.400
126	6.300	20.669	25.700	25.716	0.793	2.560	3.084	24.100
127	6.350	20.833	20.920	20.923	0.927	0.480	4.431	18.000
128	6.400	20.997	18.160	18.196	0.822	5.770	4.517	28.500
129	6.450	21.161	16.260	16.289	0.807	4.700	4.954	21.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	15.830	15.848	0.792	2.840	4.998	31.100
131	6.550	21.489	14.160	14.150	0.662	-1.560	4.678	21.900
132	6.600	21.653	26.330	26.324	0.540	-0.940	2.051	34.500
133	6.650	21.817	14.290	14.291	0.731	0.230	5.115	22.900
134	6.700	21.981	18.390	18.398	1.051	1.320	5.713	20.400
135	6.750	22.145	92.750	92.744	1.136	-1.010	1.225	14.800
136	6.800	22.309	72.350	72.344	1.890	-0.940	2.613	17.500
137	6.850	22.473	46.400	46.401	2.075	0.180	4.472	14.600
138	6.900	22.638	38.930	38.942	1.709	1.910	4.389	12.600
139	6.950	22.802	40.090	40.106	1.257	2.520	3.134	12.600
140	7.000	22.966	51.740	51.754	1.315	2.220	2.541	8.600
141	7.050	23.130	50.280	50.278	1.347	-0.360	2.679	6.600
142	7.100	23.294	27.160	27.177	1.326	2.730	4.879	12.300
143	7.150	23.458	21.820	21.817	1.108	-0.560	5.079	8.100
144	7.200	23.622	26.410	26.416	1.087	0.900	4.115	10.500
145	7.250	23.786	39.560	39.560	1.278	-0.050	3.231	11.400
146	7.300	23.950	53.520	53.529	1.802	1.390	3.366	12.700
147	7.350	24.114	56.750	56.761	1.945	1.780	3.427	14.700
148	7.400	24.278	41.370	41.364	1.921	-0.960	4.644	17.400
149	7.450	24.442	50.040	50.051	1.710	1.790	3.417	14.100
150	7.500	24.606	74.440	74.457	1.770	2.750	2.377	27.500
151	7.550	24.770	80.210	80.222	2.038	1.890	2.540	28.500
152	7.600	24.934	72.480	72.497	1.838	2.760	2.535	39.400
153	7.650	25.098	61.250	61.263	1.403	2.130	2.290	42.000
154	7.700	25.262	59.590	59.596	0.984	0.910	1.651	41.000
155	7.750	25.426	67.230	67.234	0.740	0.690	1.101	53.500
156	7.800	25.590	73.490	73.500	1.239	1.550	1.686	40.700
157	7.850	25.754	75.360	75.364	1.493	0.630	1.981	43.500
158	7.900	25.918	73.020	73.025	1.317	0.870	1.803	31.500
159	7.950	26.082	56.630	56.633	1.032	0.530	1.822	31.700
160	8.000	26.246	51.240	51.244	0.858	0.680	1.674	24.800
161	8.050	26.410	45.640	45.641	0.557	0.100	1.220	17.200
162	8.100	26.574	66.900	66.903	0.486	0.480	0.726	29.400
163	8.150	26.739	71.480	71.479	0.591	-0.090	0.827	22.500
164	8.200	26.903	29.540	29.556	1.088	2.640	3.681	31.100
165	8.250	27.067	46.620	46.637	1.466	2.650	3.143	37.200
166	8.300	27.231	39.130	39.147	1.132	2.660	2.892	45.500
167	8.350	27.395	23.530	23.535	0.933	0.850	3.964	50.500
168	8.400	27.559	22.630	22.634	0.649	0.610	2.867	36.700
169	8.450	27.723	32.400	32.404	0.699	0.650	2.157	35.400
170	8.500	27.887	41.620	41.624	0.763	0.570	1.833	27.800
171	8.550	28.051	43.560	43.568	0.826	1.210	1.896	30.000
172	8.600	28.215	45.970	45.975	0.698	0.830	1.518	19.400
173	8.650	28.379	30.860	30.869	0.814	1.440	2.637	23.000
174	8.700	28.543	24.690	24.688	0.730	-0.280	2.957	22.300
175	8.750	28.707	34.640	34.644	1.014	0.640	2.927	21.200
176	8.800	28.871	20.830	20.830	0.814	0.040	3.908	18.500
177	8.850	29.035	30.030	30.028	1.330	-0.390	4.429	18.600
178	8.900	29.199	70.870	70.868	1.276	-0.320	1.801	16.700
179	8.950	29.363	36.640	36.646	1.353	1.010	3.692	16.000
180	9.000	29.527	48.210	48.210	1.048	-0.050	2.174	17.300
181	9.050	29.691	72.280	72.278	1.786	-0.330	2.471	13.500
182	9.100	29.855	81.450	81.476	2.436	4.230	2.990	13.500
183	9.150	30.019	100.810	100.826	2.728	2.520	2.706	21.300
184	9.200	30.183	77.690	77.705	2.661	2.330	3.425	15.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	47.070	47.068	2.672	-0.350	5.677	23.100
186	9.300	30.511	48.250	48.251	1.861	0.240	3.857	21.400
187	9.350	30.675	52.420	52.427	1.419	1.190	2.707	18.800
188	9.400	30.840	20.340	20.344	1.509	0.570	7.418	18.400
189	9.450	31.004	42.070	42.070	0.905	0.010	2.151	33.400
190	9.500	31.168	66.890	66.886	0.799	-0.580	1.195	31.000
191	9.550	31.332	28.710	28.711	0.851	0.190	2.964	37.100
192	9.600	31.496	42.640	42.649	0.578	1.450	1.355	42.200
193	9.650	31.660	48.460	48.459	0.481	-0.220	0.993	40.300
194	9.700	31.824	46.200	46.197	1.566	-0.520	3.390	37.600
195	9.750	31.988	56.470	56.475	2.726	0.730	4.827	32.300
196	9.800	32.152	78.730	78.742	2.794	1.910	3.548	23.700
197	9.850	32.316	102.640	102.651	2.028	1.730	1.976	24.600
198	9.900	32.480	88.420	88.429	1.335	1.510	1.510	24.200
199	9.950	32.644	58.770	58.768	1.460	-0.270	2.484	16.500
200	10.000	32.808	47.880	47.880	1.974	-0.010	4.123	27.500
201	10.050	32.972	31.940	31.940	0.474	-0.060	1.484	30.100
202	10.100	33.136	28.890	28.892	0.259	0.390	0.896	27.800
203	10.150	33.300	38.130	38.128	0.830	-0.340	2.177	29.400
204	10.200	33.464	71.470	71.469	1.255	-0.180	1.756	34.800
205	10.250	33.628	77.590	77.587	2.232	-0.450	2.877	25.300
206	10.300	33.792	92.700	92.699	1.982	-0.100	2.138	29.900
207	10.350	33.956	124.160	124.160	2.236	0.030	1.801	38.400
208	10.400	34.120	64.570	64.566	2.418	-0.620	3.745	36.500
209	10.450	34.284	46.060	46.060	2.060	-0.070	4.472	46.300
210	10.500	34.448	43.410	43.404	1.204	-0.920	2.774	65.200
211	10.550	34.612	51.500	51.496	0.699	-0.600	1.357	54.700
212	10.600	34.776	54.740	54.734	0.379	-0.990	0.692	54.500
213	10.650	34.941	44.350	44.344	0.338	-0.890	0.762	58.600
214	10.700	35.105	36.870	36.865	0.296	-0.850	0.803	53.700
215	10.750	35.269	31.680	31.674	0.263	-0.920	0.830	52.800
216	10.800	35.433	22.590	22.588	0.152	-0.380	0.673	61.600
217	10.850	35.597	16.140	16.138	0.334	-0.310	2.070	48.900
218	10.900	35.761	15.450	15.453	0.353	0.560	2.284	50.700
219	10.950	35.925	10.110	10.109	0.298	-0.120	2.948	61.900
220	11.000	36.089	10.320	10.317	0.254	-0.430	2.462	47.100
221	11.050	36.253	8.720	8.718	0.141	-0.330	1.617	50.400
222	11.100	36.417	7.870	7.867	0.116	-0.460	1.474	52.100
223	11.150	36.581	43.000	42.997	0.943	-0.500	2.193	57.500
224	11.200	36.745	77.730	77.733	1.474	0.550	1.896	55.200
225	11.250	36.909	30.850	30.851	1.697	0.100	5.501	52.800
226	11.300	37.073	32.160	32.158	0.968	-0.310	3.010	62.700
227	11.350	37.237	10.530	10.530	0.596	-0.070	5.660	75.700
228	11.400	37.401	13.340	13.339	0.387	-0.140	2.901	66.700
229	11.450	37.565	15.650	15.649	0.516	-0.120	3.297	79.400
230	11.500	37.729	23.970	23.970	0.619	0.040	2.582	79.300
231	11.550	37.893	49.840	49.840	0.636	-0.010	1.276	73.100
232	11.600	38.057	77.960	77.962	0.637	0.250	0.817	79.000
233	11.650	38.221	103.050	103.053	0.831	0.410	0.806	83.100
234	11.700	38.385	123.180	123.184	1.138	0.580	0.924	93.800
235	11.750	38.549	138.530	138.533	1.516	0.540	1.094	91.400
236	11.800	38.713	142.130	142.136	1.865	1.010	1.312	100.400
237	11.850	38.877	138.000	138.010	2.046	1.540	1.483	97.700
238	11.900	39.042	133.030	133.041	1.991	1.750	1.497	91.100
239	11.950	39.206	140.980	140.991	2.133	1.740	1.513	76.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	151.730	151.741	2.386	1.740	1.572	80.900
241	12.050	39.534	134.850	134.863	2.516	2.060	1.866	78.600
242	12.100	39.698	116.100	116.113	2.269	2.120	1.954	75.900
243	12.150	39.862	105.140	105.153	1.940	2.120	1.845	69.700
244	12.200	40.026	99.800	99.813	1.759	2.060	1.762	74.700
245	12.250	40.190	94.860	94.873	1.655	2.080	1.744	69.000
246	12.300	40.354	92.600	92.613	1.589	2.020	1.716	65.600
247	12.350	40.518	92.200	92.212	1.509	1.950	1.636	64.400
248	12.400	40.682	93.780	93.792	1.456	1.920	1.552	66.900
249	12.450	40.846	99.000	99.013	1.465	2.020	1.480	63.500
250	12.500	41.010	110.310	110.322	1.489	1.980	1.350	70.800
251	12.550	41.174	118.050	118.063	1.585	2.090	1.343	56.900
252	12.600	41.338	118.310	118.323	1.484	2.060	1.254	54.700
253	12.650	41.502	119.000	119.013	1.473	2.100	1.238	56.500
254	12.700	41.666	126.550	126.562	1.442	1.990	1.139	60.300
255	12.750	41.830	144.230	144.243	1.557	2.080	1.079	46.000
256	12.800	41.994	153.720	153.733	1.761	2.130	1.145	58.000
257	12.850	42.158	156.500	156.513	1.895	2.160	1.211	55.300
258	12.900	42.322	160.400	160.414	2.014	2.170	1.256	58.200
259	12.950	42.486	162.650	162.664	2.047	2.210	1.258	58.100
260	13.000	42.650	151.800	151.814	2.046	2.240	1.348	57.800
261	13.050	42.814	147.780	147.794	1.962	2.270	1.328	56.800
262	13.100	42.978	155.070	155.085	1.923	2.340	1.240	59.000
263	13.150	43.143	155.950	155.965	2.011	2.360	1.289	63.200
264	13.200	43.307	148.690	148.704	1.973	2.310	1.327	56.900
265	13.250	43.471	139.440	139.455	1.858	2.440	1.332	64.000
266	13.300	43.635	143.850	143.865	1.681	2.330	1.168	66.500
267	13.350	43.799	161.550	161.565	1.742	2.430	1.078	67.600
268	13.400	43.963	171.980	171.995	1.894	2.460	1.101	71.300
269	13.450	44.127	162.670	162.686	2.003	2.600	1.231	59.600
270	13.500	44.291	157.530	157.546	2.033	2.640	1.290	57.700
271	13.550	44.455	156.330	156.347	1.998	2.740	1.278	62.200
272	13.600	44.619	166.000	166.018	1.861	2.820	1.121	57.500
273	13.650	44.783	191.400	191.417	2.210	2.760	1.155	45.700
274	13.700	44.947	238.480	238.499	2.886	3.100	1.210	29.400
275	13.750	45.111	283.020	283.043	3.591	3.670	1.269	0.000
276	13.800	45.275	285.510	285.536	4.207	4.230	1.473	0.000
277	13.850	45.439	316.440	316.469	4.697	4.570	1.484	0.000
278	13.900	45.603	314.030	314.060	5.137	4.860	1.636	0.000
279	13.950	45.767	296.520	296.551	5.391	5.010	1.818	0.000
280	14.000	45.931	264.320	264.353	5.254	5.210	1.987	0.000
281	14.050	46.095	224.130	224.162	4.582	5.200	2.044	0.000
282	14.100	46.259	197.510	197.543	3.678	5.290	1.862	0.000
283	14.150	46.423	198.500	198.533	2.940	5.220	1.481	0.000
284	14.200	46.587	199.800	199.833	2.810	5.270	1.406	0.000
285	14.250	46.751	202.100	202.132	2.761	5.100	1.366	0.000
286	14.300	46.915	216.010	216.042	2.843	5.120	1.316	0.000
287	14.350	47.079	230.130	230.162	3.064	5.120	1.331	0.000
288	14.400	47.244	210.870	210.902	3.492	5.080	1.656	0.000
289	14.450	47.408	215.140	215.172	0.000	5.120	0.000	0.000
290	14.500	47.572	193.040	193.072	0.000	5.170	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221576
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-10-2
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-20-2013
CPT Time:	11:02
CPT File:	13-53075_GP10-2.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722195.467
Northing / Lat:	4294337.892
Elevation:	143.852
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	4.620	4.625	0.045	0.850	0.973	25.300
2	0.100	0.328	130.400	130.415	0.221	2.360	0.169	39.500
3	0.150	0.492	121.250	121.262	0.458	1.890	0.378	42.000
4	0.200	0.656	70.580	70.589	0.839	1.500	1.189	51.600
5	0.250	0.820	32.830	32.841	1.551	1.790	4.723	55.900
6	0.300	0.984	74.910	74.916	0.566	0.960	0.756	46.900
7	0.350	1.148	134.800	134.802	1.063	0.400	0.789	60.100
8	0.400	1.312	147.880	147.888	3.518	1.210	2.379	64.600
9	0.450	1.476	80.960	80.966	3.510	0.890	4.335	63.100
10	0.500	1.640	227.980	227.987	1.479	1.200	0.649	50.700
11	0.550	1.804	197.710	197.710	3.630	0.030	1.836	54.600
12	0.600	1.968	139.540	139.543	4.062	0.420	2.911	59.600
13	0.650	2.133	69.880	69.892	2.374	1.900	3.397	66.400
14	0.700	2.297	57.790	57.794	1.835	0.690	3.175	89.200
15	0.750	2.461	59.880	59.883	1.350	0.550	2.254	77.500
16	0.800	2.625	61.830	61.834	1.500	0.650	2.426	105.600
17	0.850	2.789	69.910	69.913	1.708	0.500	2.443	100.200
18	0.900	2.953	80.640	80.642	1.825	0.290	2.263	104.900
19	0.950	3.117	86.520	86.522	1.962	0.280	2.268	100.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	85.060	85.061	1.992	0.160	2.342	97.700
21	1.050	3.445	80.220	80.221	1.958	0.130	2.441	99.000
22	1.100	3.609	72.900	72.901	1.998	0.120	2.741	83.600
23	1.150	3.773	61.400	61.398	1.948	-0.370	3.173	87.600
24	1.200	3.937	46.360	46.356	1.597	-0.580	3.445	75.800
25	1.250	4.101	45.010	45.006	1.107	-0.590	2.460	65.500
26	1.300	4.265	54.890	54.885	0.717	-0.770	1.306	67.300
27	1.350	4.429	38.690	38.691	0.940	0.100	2.430	66.500
28	1.400	4.593	23.770	23.771	1.177	0.230	4.951	52.100
29	1.450	4.757	27.680	27.682	0.713	0.260	2.576	45.000
30	1.500	4.921	36.820	36.799	0.600	-3.420	1.630	31.000
31	1.550	5.085	19.860	19.857	0.431	-0.420	2.170	28.400
32	1.600	5.249	11.680	11.679	0.384	-0.200	3.288	27.300
33	1.650	5.413	14.380	14.390	0.304	1.530	2.113	23.400
34	1.700	5.577	18.620	18.626	0.303	0.970	1.627	20.300
35	1.750	5.741	22.520	22.524	0.468	0.590	2.078	23.600
36	1.800	5.905	27.910	27.911	0.574	0.120	2.057	17.800
37	1.850	6.069	26.450	26.449	0.525	-0.090	1.985	19.700
38	1.900	6.234	22.820	22.819	0.581	-0.150	2.546	26.200
39	1.950	6.398	17.260	17.257	0.439	-0.470	2.544	31.100
40	2.000	6.562	15.230	15.224	0.507	-1.020	3.330	35.400
41	2.050	6.726	24.140	24.134	0.491	-0.930	2.034	43.900
42	2.100	6.890	9.130	9.125	0.530	-0.770	5.808	51.600
43	2.150	7.054	12.610	12.594	0.346	-2.510	2.747	79.100
44	2.200	7.218	22.690	22.672	0.454	-2.960	2.003	88.700
45	2.250	7.382	15.260	15.198	0.550	-9.960	3.619	99.100
46	2.300	7.546	11.040	10.963	0.567	-12.280	5.172	108.100
47	2.350	7.710	11.710	11.629	0.566	-12.920	4.867	108.100
48	2.400	7.874	15.600	15.517	0.510	-13.250	3.287	82.300
49	2.450	8.038	23.110	23.026	0.539	-13.440	2.341	81.900
50	2.500	8.202	19.590	19.605	0.593	2.410	3.025	77.300
51	2.550	8.366	25.050	25.059	0.492	1.380	1.963	68.800
52	2.600	8.530	20.270	20.282	0.516	1.890	2.544	65.700
53	2.650	8.694	26.390	26.388	0.651	-0.260	2.467	41.000
54	2.700	8.858	16.060	16.055	0.612	-0.850	3.812	32.700
55	2.750	9.022	18.750	18.745	0.682	-0.860	3.638	27.700
56	2.800	9.186	31.230	31.228	0.963	-0.280	3.084	23.500
57	2.850	9.350	48.890	48.881	0.545	-1.460	1.115	27.700
58	2.900	9.514	137.660	137.654	3.210	-0.960	2.332	25.700
59	2.950	9.678	82.070	82.067	2.871	-0.560	3.498	36.900
60	3.000	9.842	3.010	3.006	2.224	-0.570	73.974	33.800
61	3.050	10.006	2.360	2.357	0.002	-0.410	0.085	34.600
62	3.100	10.170	2.520	2.517	0.002	-0.480	0.079	37.100
63	3.150	10.335	2.070	2.067	0.378	-0.440	18.285	44.400
64	3.200	10.499	1.840	1.837	0.302	-0.410	16.436	43.200
65	3.250	10.663	226.200	226.197	2.174	-0.410	0.961	48.000
66	3.300	10.827	135.510	135.506	2.752	-0.590	2.031	64.200
67	3.350	10.991	52.890	52.888	2.188	-0.380	4.137	75.100
68	3.400	11.155	50.530	50.519	0.911	-1.710	1.803	81.000
69	3.450	11.319	44.320	44.302	0.847	-2.930	1.912	77.600
70	3.500	11.483	36.690	36.657	0.876	-5.280	2.390	61.700
71	3.550	11.647	30.950	30.910	0.692	-6.350	2.239	43.600
72	3.600	11.811	33.200	33.155	0.411	-7.270	1.240	36.200
73	3.650	11.975	40.900	40.871	0.764	-4.720	1.869	23.800
74	3.700	12.139	79.190	79.183	0.632	-1.200	0.798	23.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	56.720	56.714	1.221	-0.970	2.153	21.300
76	3.800	12.467	66.590	66.584	0.994	-0.990	1.493	23.900
77	3.850	12.631	29.820	29.822	0.713	0.300	2.391	30.000
78	3.900	12.795	41.170	41.172	0.422	0.320	1.025	29.400
79	3.950	12.959	30.400	30.403	0.526	0.490	1.730	38.800
80	4.000	13.123	38.590	38.590	0.964	0.070	2.498	40.800
81	4.050	13.287	32.520	32.529	0.674	1.510	2.072	59.100
82	4.100	13.451	69.570	69.572	2.554	0.360	3.671	65.500
83	4.150	13.615	128.100	128.100	3.469	0.040	2.708	63.100
84	4.200	13.779	102.480	102.472	3.041	-1.310	2.968	80.100
85	4.250	13.943	87.700	87.667	2.976	-5.290	3.395	79.900
86	4.300	14.107	85.520	85.501	3.124	-3.040	3.654	76.500
87	4.350	14.271	110.210	110.187	3.583	-3.650	3.252	84.800
88	4.400	14.436	95.850	95.813	4.027	-5.930	4.203	78.000
89	4.450	14.600	95.540	95.490	3.332	-7.990	3.489	83.400
90	4.500	14.764	85.540	85.475	3.236	-10.370	3.786	84.500
91	4.550	14.928	61.980	61.902	1.917	-12.530	3.097	88.800
92	4.600	15.092	70.180	70.092	2.519	-14.040	3.594	87.000
93	4.650	15.256	102.640	102.529	2.171	-17.850	2.117	97.900
94	4.700	15.420	68.000	67.884	2.221	-18.640	3.272	85.100
95	4.750	15.584	63.790	63.672	1.813	-18.830	2.847	75.000
96	4.800	15.748	46.330	46.211	1.288	-19.020	2.787	78.600
97	4.850	15.912	32.060	31.943	1.194	-18.770	3.738	77.000
98	4.900	16.076	35.090	34.974	1.202	-18.550	3.437	68.100
99	4.950	16.240	41.800	41.685	2.119	-18.430	5.083	66.800
100	5.000	16.404	61.110	60.996	2.222	-18.260	3.643	79.300
101	5.050	16.568	45.500	45.386	2.240	-18.250	4.935	75.000
102	5.100	16.732	55.210	55.096	1.809	-18.260	3.283	86.300
103	5.150	16.896	50.100	49.986	1.590	-18.250	3.181	87.000
104	5.200	17.060	40.780	40.703	1.018	-12.400	2.501	75.000
105	5.250	17.224	56.330	56.286	1.118	-7.090	1.986	85.300
106	5.300	17.388	70.920	70.923	1.134	0.420	1.599	65.100
107	5.350	17.552	37.410	37.410	1.331	0.040	3.558	66.800
108	5.400	17.716	31.600	31.582	1.160	-2.940	3.673	51.600
109	5.450	17.880	24.840	24.817	0.740	-3.710	2.982	46.100
110	5.500	18.044	21.780	21.755	0.730	-4.020	3.356	48.900
111	5.550	18.208	18.810	18.786	0.509	-3.900	2.710	38.800
112	5.600	18.372	8.810	8.789	0.730	-3.330	8.306	26.600
113	5.650	18.537	6.560	6.554	0.507	-0.910	7.735	29.900
114	5.700	18.701	42.240	42.234	0.551	-0.890	1.305	16.300
115	5.750	18.865	33.450	33.452	0.825	0.400	2.466	19.900
116	5.800	19.029	30.130	30.135	1.124	0.740	3.730	18.800
117	5.850	19.193	29.770	29.773	0.763	0.470	2.563	20.900
118	5.900	19.357	12.890	12.892	0.693	0.350	5.375	25.200
119	5.950	19.521	22.250	22.260	0.751	1.600	3.374	28.800
120	6.000	19.685	26.020	26.030	0.699	1.620	2.685	30.500
121	6.050	19.849	43.910	43.915	0.995	0.770	2.266	20.200
122	6.100	20.013	43.930	43.933	0.379	0.420	0.863	25.500
123	6.150	20.177	30.750	30.750	0.258	-0.060	0.839	24.600
124	6.200	20.341	6.780	6.781	0.140	0.090	2.065	24.300
125	6.250	20.505	10.760	10.760	0.222	0.040	2.063	17.800
126	6.300	20.669	12.010	12.010	0.012	-0.010	0.100	19.100
127	6.350	20.833	42.840	42.841	0.043	0.220	0.100	19.700
128	6.400	20.997	45.730	45.728	0.399	-0.360	0.873	17.000
129	6.450	21.161	41.420	41.420	0.507	0.070	1.224	16.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	14.520	14.520	0.681	0.060	4.690	16.900
131	6.550	21.489	26.840	26.840	0.513	0.060	1.911	13.000
132	6.600	21.653	34.990	34.990	0.644	0.010	1.841	14.600
133	6.650	21.817	42.310	42.325	0.880	2.470	2.079	15.100
134	6.700	21.981	26.990	27.003	1.951	2.120	7.225	13.800
135	6.750	22.145	45.330	45.333	1.835	0.510	4.048	17.000
136	6.800	22.309	19.020	19.025	2.073	0.840	10.896	13.400
137	6.850	22.473	34.850	34.862	1.700	1.890	4.876	16.500
138	6.900	22.638	25.530	25.543	1.129	2.090	4.420	10.800
139	6.950	22.802	47.480	47.491	1.191	1.790	2.508	19.600
140	7.000	22.966	22.140	22.151	1.100	1.750	4.966	21.500
141	7.050	23.130	23.540	23.548	0.915	1.240	3.886	24.800
142	7.100	23.294	24.490	24.495	0.371	0.760	1.515	26.500
143	7.150	23.458	44.160	44.167	0.815	1.060	1.845	32.300
144	7.200	23.622	39.230	39.237	1.209	1.090	3.081	27.100
145	7.250	23.786	58.030	58.039	1.473	1.480	2.538	19.000
146	7.300	23.950	36.110	36.119	1.427	1.480	3.951	20.800
147	7.350	24.114	21.540	21.548	1.466	1.310	6.803	16.100
148	7.400	24.278	22.850	22.867	1.137	2.670	4.972	21.000
149	7.450	24.442	21.340	21.360	1.078	3.140	5.047	22.500
150	7.500	24.606	30.040	30.055	1.393	2.430	4.635	17.700
151	7.550	24.770	38.100	38.111	1.298	1.710	3.406	20.700
152	7.600	24.934	20.870	20.880	1.144	1.540	5.479	15.100
153	7.650	25.098	50.240	50.256	1.091	2.500	2.171	16.100
154	7.700	25.262	83.080	83.089	1.436	1.520	1.728	15.700
155	7.750	25.426	83.010	83.019	1.816	1.480	2.187	12.000
156	7.800	25.590	58.500	58.507	2.033	1.160	3.475	13.400
157	7.850	25.754	52.430	52.435	1.944	0.740	3.707	12.800
158	7.900	25.918	44.700	44.705	2.127	0.800	4.758	13.500
159	7.950	26.082	55.150	55.152	1.920	0.400	3.481	14.900
160	8.000	26.246	45.530	45.531	1.556	0.130	3.417	14.300
161	8.050	26.410	27.310	27.304	1.095	-0.990	4.010	15.200
162	8.100	26.574	37.480	37.476	1.253	-0.580	3.343	11.300
163	8.150	26.739	64.640	64.638	1.301	-0.400	2.013	15.000
164	8.200	26.903	58.480	58.477	1.597	-0.550	2.731	15.400
165	8.250	27.067	60.030	60.030	1.293	-0.080	2.154	20.700
166	8.300	27.231	48.200	48.198	1.009	-0.360	2.093	16.900
167	8.350	27.395	53.090	53.087	1.162	-0.410	2.189	19.800
168	8.400	27.559	35.750	35.748	1.557	-0.300	4.355	16.000
169	8.450	27.723	27.390	27.382	1.362	-1.210	4.974	16.400
170	8.500	27.887	7.770	7.764	0.947	-0.970	12.197	20.500
171	8.550	28.051	25.610	25.606	1.373	-0.570	5.362	25.100
172	8.600	28.215	55.870	55.867	1.369	-0.440	2.450	24.300
173	8.650	28.379	25.690	25.687	1.713	-0.470	6.669	30.100
174	8.700	28.543	24.860	24.856	1.280	-0.630	5.150	34.200
175	8.750	28.707	21.420	21.419	0.839	-0.120	3.917	51.200
176	8.800	28.871	16.770	16.769	0.652	-0.200	3.888	66.000
177	8.850	29.035	19.750	19.748	0.669	-0.350	3.388	58.100
178	8.900	29.199	20.750	20.746	0.718	-0.630	3.461	66.800
179	8.950	29.363	43.240	43.236	1.284	-0.710	2.970	55.400
180	9.000	29.527	58.660	58.658	1.722	-0.330	2.936	56.100
181	9.050	29.691	44.850	44.847	1.897	-0.420	4.230	47.800
182	9.100	29.855	48.580	48.578	1.316	-0.350	2.709	63.800
183	9.150	30.019	41.250	41.251	1.181	0.110	2.863	68.600
184	9.200	30.183	51.880	51.882	1.271	0.350	2.450	57.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	59.780	59.783	1.265	0.440	2.116	40.800
186	9.300	30.511	75.060	75.065	1.536	0.750	2.046	46.100
187	9.350	30.675	47.050	47.055	1.408	0.800	2.992	40.100
188	9.400	30.840	55.760	55.764	1.851	0.610	3.319	35.000
189	9.450	31.004	82.290	82.294	2.232	0.570	2.712	31.900
190	9.500	31.168	88.400	88.408	2.565	1.240	2.901	25.700
191	9.550	31.332	59.400	59.408	2.098	1.220	3.532	26.500
192	9.600	31.496	48.770	48.777	1.313	1.080	2.692	25.600
193	9.650	31.660	41.780	41.784	0.728	0.570	1.742	21.900
194	9.700	31.824	100.320	100.323	0.774	0.510	0.772	22.600
195	9.750	31.988	46.710	46.713	0.976	0.480	2.089	27.900
196	9.800	32.152	44.120	44.121	1.102	0.150	2.498	29.800
197	9.850	32.316	40.110	40.111	0.852	0.170	2.124	29.000
198	9.900	32.480	48.080	48.080	0.762	0.070	1.585	31.800
199	9.950	32.644	48.030	48.032	0.487	0.300	1.014	30.200
200	10.000	32.808	44.210	44.212	0.681	0.320	1.540	38.300
201	10.050	32.972	39.030	39.033	0.837	0.450	2.144	42.900
202	10.100	33.136	37.190	37.192	0.804	0.330	2.162	54.000
203	10.150	33.300	39.500	39.502	0.604	0.280	1.529	46.200
204	10.200	33.464	44.190	44.191	0.479	0.190	1.084	59.900
205	10.250	33.628	47.930	47.931	0.867	0.150	1.809	48.700
206	10.300	33.792	40.260	40.261	1.104	0.090	2.742	47.100
207	10.350	33.956	85.610	85.611	1.718	0.180	2.007	51.800
208	10.400	34.120	137.310	137.314	2.098	0.720	1.528	42.500
209	10.450	34.284	113.220	113.224	2.284	0.640	2.017	60.000
210	10.500	34.448	65.700	65.707	2.088	1.160	3.178	64.700
211	10.550	34.612	68.850	68.855	1.613	0.870	2.343	62.000
212	10.600	34.776	59.790	59.795	1.095	0.860	1.831	60.500
213	10.650	34.941	38.590	38.594	0.999	0.710	2.588	53.600
214	10.700	35.105	60.010	60.014	1.333	0.680	2.221	43.800
215	10.750	35.269	68.300	68.306	1.766	0.960	2.585	58.800
216	10.800	35.433	56.770	56.777	1.836	1.060	3.234	60.100
217	10.850	35.597	57.510	57.517	1.319	1.050	2.293	62.600
218	10.900	35.761	69.670	69.676	0.756	0.940	1.085	63.700
219	10.950	35.925	81.330	81.336	0.756	0.950	0.929	63.200
220	11.000	36.089	90.120	90.126	0.809	0.940	0.898	69.500
221	11.050	36.253	97.960	97.966	0.981	1.000	1.001	63.900
222	11.100	36.417	97.240	97.246	1.242	0.940	1.277	71.400
223	11.150	36.581	94.790	94.796	1.351	1.010	1.425	60.000
224	11.200	36.745	91.260	91.265	1.478	0.880	1.619	71.200
225	11.250	36.909	82.180	82.185	1.710	0.880	2.081	57.000
226	11.300	37.073	61.700	61.705	2.363	0.880	3.829	48.100
227	11.350	37.237	54.100	54.106	2.517	0.950	4.652	38.700
228	11.400	37.401	85.210	85.218	3.063	1.300	3.594	37.700
229	11.450	37.565	131.990	131.996	2.919	0.970	2.211	44.100
230	11.500	37.729	41.070	41.073	1.984	0.560	4.830	45.300
231	11.550	37.893	66.130	66.140	1.146	1.550	1.733	56.900
232	11.600	38.057	69.880	69.889	0.984	1.440	1.408	59.500
233	11.650	38.221	47.720	47.728	1.253	1.300	2.625	66.700
234	11.700	38.385	35.770	35.779	1.373	1.460	3.837	79.200
235	11.750	38.549	30.680	30.689	1.140	1.460	3.715	70.400
236	11.800	38.713	30.320	30.328	0.973	1.350	3.208	63.100
237	11.850	38.877	36.720	36.729	0.693	1.380	1.887	68.900
238	11.900	39.042	57.230	57.238	0.758	1.290	1.324	69.000
239	11.950	39.206	80.730	80.739	0.628	1.390	0.778	68.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	78.980	78.990	1.214	1.630	1.537	67.900
241	12.050	39.534	88.900	88.911	1.711	1.720	1.924	63.200
242	12.100	39.698	47.690	47.702	1.692	1.920	3.547	74.500
243	12.150	39.862	29.550	29.563	1.267	2.100	4.286	88.200
244	12.200	40.026	30.790	30.806	0.801	2.550	2.600	82.300
245	12.250	40.190	28.270	28.287	0.886	2.710	3.132	88.500
246	12.300	40.354	31.350	31.367	0.928	2.660	2.959	91.000
247	12.350	40.518	34.430	34.446	1.082	2.630	3.141	81.300
248	12.400	40.682	36.410	36.427	0.871	2.680	2.391	82.000
249	12.450	40.846	79.560	79.579	1.420	3.090	1.784	64.200
250	12.500	41.010	84.680	84.697	1.841	2.730	2.174	64.100
251	12.550	41.174	72.960	72.975	2.128	2.460	2.916	55.900
252	12.600	41.338	83.950	83.965	2.824	2.430	3.363	48.800
253	12.650	41.502	109.480	109.498	4.124	2.890	3.766	47.500
254	12.700	41.666	134.210	134.232	5.629	3.500	4.193	35.600
255	12.750	41.830	147.160	147.190	6.565	4.830	4.460	43.200
256	12.800	41.994	153.100	153.142	6.025	6.790	3.934	38.000
257	12.850	42.158	58.970	59.007	4.299	5.970	7.286	32.600
258	12.900	42.322	44.870	44.898	2.744	4.480	6.112	25.700
259	12.950	42.486	30.030	30.057	1.582	4.330	5.263	24.500
260	13.000	42.650	24.030	24.058	1.434	4.520	5.961	26.400
261	13.050	42.814	28.670	28.689	1.147	3.110	3.998	29.700
262	13.100	42.978	31.290	31.313	1.478	3.640	4.720	35.700
263	13.150	43.143	33.650	33.673	1.212	3.670	3.599	38.900
264	13.200	43.307	32.540	32.566	0.859	4.090	2.638	45.100
265	13.250	43.471	66.290	66.317	1.175	4.400	1.772	48.700
266	13.300	43.635	112.910	112.937	1.358	4.290	1.202	52.200
267	13.350	43.799	189.310	189.338	1.858	4.490	0.981	58.000
268	13.400	43.963	208.580	208.609	2.777	4.570	1.331	62.200
269	13.450	44.127	202.710	202.739	3.150	4.640	1.554	57.700
270	13.500	44.291	180.340	180.369	3.108	4.630	1.723	54.400
271	13.550	44.455	173.090	173.119	2.429	4.630	1.403	60.900
272	13.600	44.619	170.250	170.278	2.321	4.490	1.363	52.900
273	13.650	44.783	174.200	174.228	2.290	4.530	1.314	53.600
274	13.700	44.947	191.060	191.087	2.319	4.400	1.214	57.600
275	13.750	45.111	193.650	193.678	2.457	4.550	1.269	59.900
276	13.800	45.275	198.800	198.828	2.638	4.490	1.327	52.700
277	13.850	45.439	201.560	201.589	2.630	4.590	1.305	61.400
278	13.900	45.603	197.090	197.118	2.689	4.560	1.364	57.200
279	13.950	45.767	199.220	199.249	2.658	4.650	1.334	63.500
280	14.000	45.931	198.270	198.299	2.828	4.640	1.426	59.900
281	14.050	46.095	165.670	165.698	2.809	4.510	1.695	64.200
282	14.100	46.259	137.210	137.239	2.527	4.630	1.841	63.100
283	14.150	46.423	120.610	120.639	2.191	4.670	1.816	68.600
284	14.200	46.587	110.390	110.419	1.975	4.700	1.789	65.800
285	14.250	46.751	99.940	99.969	1.771	4.670	1.772	78.100
286	14.300	46.915	90.260	90.289	1.538	4.620	1.703	73.600
287	14.350	47.079	86.610	86.638	1.253	4.490	1.446	75.200
288	14.400	47.244	75.850	75.875	1.222	3.940	1.611	85.300
289	14.450	47.408	65.660	65.683	1.077	3.710	1.640	70.300
290	14.500	47.572	67.140	67.163	0.962	3.700	1.432	80.400
291	14.550	47.736	62.220	62.242	0.886	3.490	1.423	78.600
292	14.600	47.900	61.870	61.891	0.742	3.380	1.199	78.700
293	14.650	48.064	49.670	49.687	0.779	2.750	1.568	85.600
294	14.700	48.228	66.500	66.515	0.819	2.440	1.231	80.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	71.420	71.434	0.739	2.220	1.035	82.000
296	14.800	48.556	78.670	78.681	0.758	1.770	0.963	78.000
297	14.850	48.720	88.250	88.258	0.812	1.210	0.920	77.800
298	14.900	48.884	107.550	107.556	1.065	0.940	0.990	81.100
299	14.950	49.048	151.260	151.266	1.348	0.930	0.891	78.900
300	15.000	49.212	215.400	215.406	1.937	0.940	0.899	78.900
301	15.050	49.376	256.340	256.345	2.694	0.770	1.051	78.400
302	15.100	49.540	256.000	256.005	3.454	0.770	1.349	59.900
303	15.150	49.704	244.600	244.605	3.783	0.760	1.547	67.100
304	15.200	49.868	226.080	226.084	3.765	0.710	1.665	56.600
305	15.250	50.032	214.790	214.795	3.444	0.840	1.603	54.200
306	15.300	50.196	200.010	200.015	3.156	0.810	1.578	61.600
307	15.350	50.360	180.070	180.076	2.858	0.930	1.587	62.300
308	15.400	50.524	166.970	166.976	2.572	1.030	1.540	64.900
309	15.450	50.688	154.450	154.457	2.388	1.080	1.546	0.000
310	15.500	50.852	145.540	145.548	2.191	1.290	1.505	0.000
311	15.550	51.016	138.900	138.908	2.103	1.250	1.514	0.000
312	15.600	51.180	131.600	131.609	2.030	1.380	1.542	0.000
313	15.650	51.345	122.990	122.998	1.899	1.310	1.544	0.000
314	15.700	51.509	123.840	123.848	1.722	1.330	1.390	0.000
315	15.750	51.673	140.270	140.279	1.788	1.490	1.275	0.000
316	15.800	51.837	170.400	170.409	2.027	1.410	1.189	0.000
317	15.850	52.001	186.540	186.549	2.337	1.460	1.253	0.000
318	15.900	52.165	197.500	197.510	2.608	1.650	1.320	0.000
319	15.950	52.329	221.690	221.700	2.851	1.590	1.286	0.000
320	16.000	52.493	240.810	240.821	3.255	1.710	1.352	0.000
321	16.050	52.657	244.470	244.483	3.641	2.080	1.489	0.000
322	16.100	52.821	237.190	237.201	3.761	1.820	1.586	0.000
323	16.150	52.985	235.540	235.552	0.000	1.900	0.000	0.000
324	16.200	53.149	264.410	264.423	0.000	2.040	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221578
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-10-3A
Cone ID:	268:T1500F15U500
Operator:	BM/JT/YB
CPT Date:	Nov-18-2013
CPT Time:	10:15
CPT File:	13-53075_GP10-3A.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722200.000
Northing / Lat:	4294318.890
Elevation:	147.830
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	41.730	41.731	0.115	0.160	0.276	26.700
2	0.100	0.328	44.640	44.642	0.187	0.310	0.419	39.400
3	0.150	0.492	59.350	59.351	0.360	0.130	0.607	39.800
4	0.200	0.656	64.170	64.171	0.600	0.140	0.935	44.900
5	0.250	0.820	58.670	58.671	0.547	0.130	0.932	33.400
6	0.300	0.984	62.370	62.371	0.460	0.210	0.738	56.500
7	0.350	1.148	59.430	59.431	0.869	0.140	1.462	62.100
8	0.400	1.312	37.680	37.681	1.017	0.230	2.699	58.700
9	0.450	1.476	27.780	27.781	1.364	0.180	4.910	55.300
10	0.500	1.640	35.770	35.748	1.267	-3.490	3.544	64.500
11	0.550	1.804	37.230	37.225	1.098	-0.730	2.950	59.200
12	0.600	1.968	55.940	55.930	0.964	-1.580	1.724	60.600
13	0.650	2.133	78.630	78.631	0.906	0.240	1.152	63.200
14	0.700	2.297	96.250	96.256	0.767	0.950	0.797	59.000
15	0.750	2.461	91.610	91.617	1.045	1.160	1.141	64.600
16	0.800	2.625	84.190	84.190	1.115	-0.030	1.324	63.100
17	0.850	2.789	62.720	62.719	1.285	-0.090	2.049	63.700
18	0.900	2.953	61.380	61.394	1.509	2.200	2.458	71.300
19	0.950	3.117	60.200	60.199	1.299	-0.090	2.158	65.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	43.850	43.851	1.082	0.090	2.467	64.400
21	1.050	3.445	49.050	49.059	0.850	1.500	1.733	81.500
22	1.100	3.609	48.220	48.223	0.457	0.510	0.948	76.700
23	1.150	3.773	48.010	48.010	0.494	0.000	1.029	74.700
24	1.200	3.937	55.920	55.918	1.171	-0.280	2.094	69.500
25	1.250	4.101	63.290	63.290	1.564	-0.070	2.471	72.400
26	1.300	4.265	104.080	104.080	3.624	0.020	3.482	70.200
27	1.350	4.429	101.310	101.309	2.077	-0.150	2.050	65.700
28	1.400	4.593	135.880	135.879	1.824	-0.110	1.342	0.000
29	1.450	4.757	111.680	111.682	2.792	0.270	2.500	0.000
30	1.500	4.921	119.730	119.725	2.210	-0.810	1.846	0.000
31	1.550	5.085	78.730	78.731	2.712	0.090	3.445	0.000
32	1.600	5.249	141.340	141.356	1.892	2.520	1.338	0.000
33	1.650	5.413	118.620	118.621	2.230	0.110	1.880	0.000
34	1.700	5.577	128.750	128.746	2.312	-0.600	1.796	0.000
35	1.750	5.741	116.740	116.753	1.682	2.030	1.441	0.000
36	1.800	5.905	108.560	108.569	1.258	1.480	1.159	0.000
37	1.850	6.069	118.170	118.168	1.631	-0.400	1.380	0.000
38	1.900	6.234	100.210	100.213	0.407	0.500	0.406	0.000
39	1.950	6.398	74.530	74.525	0.466	-0.780	0.625	0.000
40	2.000	6.562	80.120	80.117	0.155	-0.460	0.193	0.000
41	2.050	6.726	101.500	101.504	3.307	0.710	3.258	0.000
42	2.100	6.890	137.370	137.377	2.965	1.060	2.158	0.000
43	2.150	7.054	567.210	567.213	0.000	0.530	0.000	0.000
44	2.200	7.218	756.050	756.048	0.000	-0.260	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221577
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-10-3
Cone ID:	268:T1500F15U500
Operator:	BM/JT/YB
CPT Date:	Nov-18-2013
CPT Time:	08:20
CPT File:	13-53075_GP10-3.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722280.787
Northing / Lat:	4294421.554
Elevation:	137.628
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	10.210	10.210	0.013	-0.040	0.127	32.500
2	0.100	0.328	18.970	18.970	0.202	0.020	1.065	39.200
3	0.150	0.492	31.870	31.871	0.129	0.090	0.405	40.900
4	0.200	0.656	40.490	40.493	0.338	0.500	0.835	41.600
5	0.250	0.820	59.580	59.583	0.500	0.540	0.839	53.200
6	0.300	0.984	67.380	67.382	0.758	0.250	1.125	50.000
7	0.350	1.148	36.640	36.646	0.709	0.910	1.935	48.400
8	0.400	1.312	47.350	47.358	0.613	1.360	1.294	48.400
9	0.450	1.476	70.950	70.970	0.723	3.180	1.019	58.300
10	0.500	1.640	83.110	83.130	0.780	3.260	0.938	67.900
11	0.550	1.804	87.510	87.523	1.209	2.130	1.381	57.900
12	0.600	1.968	88.280	88.287	1.560	1.110	1.767	63.700
13	0.650	2.133	80.720	80.741	1.130	3.400	1.400	59.700
14	0.700	2.297	77.000	76.997	1.268	-0.440	1.647	0.000
15	0.750	2.461	94.890	94.895	0.886	0.860	0.934	0.000
16	0.800	2.625	138.690	138.691	4.124	0.230	2.974	0.000
17	0.850	2.789	168.370	168.367	6.624	-0.410	3.934	0.000
18	0.900	2.953	216.190	216.192	5.123	0.300	2.370	0.000
19	0.950	3.117	318.870	318.872	2.630	0.280	0.825	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	206.950	206.960	2.444	1.630	1.181	0.000
21	1.050	3.445	181.670	181.677	4.152	1.140	2.285	0.000
22	1.100	3.609	194.810	194.811	4.290	0.180	2.202	0.000
23	1.150	3.773	228.920	228.946	2.631	4.110	1.149	0.000
24	1.200	3.937	174.370	174.385	2.640	2.450	1.514	0.000
25	1.250	4.101	147.100	147.102	3.559	0.290	2.419	0.000
26	1.300	4.265	143.750	143.763	2.784	2.080	1.937	0.000
27	1.350	4.429	146.080	146.099	2.679	3.120	1.834	0.000
28	1.400	4.593	189.030	189.036	2.850	0.900	1.508	0.000
29	1.450	4.757	496.770	496.777	0.000	1.200	0.000	0.000
30	1.500	4.921	512.450	512.455	0.000	0.880	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221581
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-10-4A
Cone ID:	268:T1500F15U500
Operator:	BM/JT/YB
CPT Date:	Nov-18-2013
CPT Time:	10:51
CPT File:	13-53075_GP10-4A.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722204.700
Northing / Lat:	4294314.070
Elevation:	147.270
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
1	0.050	0.164	18.590	18.590	0.032	-0.010	0.172	24.300
2	0.100	0.328	26.800	26.798	0.081	-0.300	0.302	36.200
3	0.150	0.492	44.990	44.990	0.149	-0.040	0.331	28.700
4	0.200	0.656	42.320	42.319	0.145	-0.090	0.343	36.000
5	0.250	0.820	63.370	63.375	0.139	0.830	0.219	36.100
6	0.300	0.984	91.450	91.453	0.164	0.500	0.179	32.100
7	0.350	1.148	102.280	102.284	0.339	0.660	0.331	30.500
8	0.400	1.312	108.410	108.410	0.542	0.040	0.500	38.700
9	0.450	1.476	106.400	106.400	0.697	-0.060	0.655	43.000
10	0.500	1.640	84.360	84.366	0.616	0.930	0.730	39.400
11	0.550	1.804	68.090	68.091	0.493	0.110	0.724	54.600
12	0.600	1.968	36.020	36.024	0.258	0.600	0.716	71.600
13	0.650	2.133	30.650	30.662	0.505	1.900	1.647	70.700
14	0.700	2.297	35.530	35.529	0.487	-0.170	1.371	62.400
15	0.750	2.461	34.700	34.700	0.640	-0.040	1.844	69.200
16	0.800	2.625	48.390	48.390	0.705	0.060	1.457	63.100
17	0.850	2.789	63.880	63.899	1.204	3.080	1.884	74.000
18	0.900	2.953	87.000	87.009	1.578	1.460	1.814	75.500
19	0.950	3.117	99.210	99.231	1.894	3.290	1.909	72.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	111.620	111.628	1.838	1.300	1.647	76.200
21	1.050	3.445	109.350	109.346	0.944	-0.590	0.863	65.400
22	1.100	3.609	88.240	88.241	1.577	0.150	1.787	56.600
23	1.150	3.773	97.300	97.303	1.309	0.430	1.345	81.400
24	1.200	3.937	123.840	123.842	1.810	0.400	1.462	70.500
25	1.250	4.101	159.290	159.299	2.527	1.480	1.586	79.200
26	1.300	4.265	152.590	152.619	2.811	4.710	1.842	78.200
27	1.350	4.429	152.660	152.669	3.397	1.480	2.225	73.800
28	1.400	4.593	162.020	162.026	4.094	1.010	2.527	73.600
29	1.450	4.757	133.390	133.412	3.774	3.570	2.829	75.300
30	1.500	4.921	110.190	110.199	2.780	1.440	2.523	63.200
31	1.550	5.085	106.400	106.410	1.881	1.650	1.768	66.000
32	1.600	5.249	98.770	98.770	2.456	-0.010	2.487	68.500
33	1.650	5.413	93.390	93.400	2.930	1.630	3.137	74.700
34	1.700	5.577	112.190	112.192	3.397	0.280	3.028	77.700
35	1.750	5.741	121.500	121.498	1.431	-0.260	1.178	63.000
36	1.800	5.905	111.320	111.320	2.462	0.010	2.212	76.700
37	1.850	6.069	90.330	90.328	4.016	-0.300	4.446	58.700
38	1.900	6.234	67.960	67.968	3.853	1.310	5.669	66.400
39	1.950	6.398	79.100	79.115	2.367	2.330	2.992	67.900
40	2.000	6.562	70.030	70.035	1.419	0.820	2.026	63.400
41	2.050	6.726	69.260	69.275	0.827	2.440	1.194	76.000
42	2.100	6.890	77.500	77.498	1.255	-0.330	1.619	70.900
43	2.150	7.054	152.080	152.071	2.917	-1.450	1.918	96.600
44	2.200	7.218	43.020	43.036	2.083	2.530	4.840	105.200
45	2.250	7.382	62.870	62.893	1.854	3.750	2.948	106.100
46	2.300	7.546	36.200	36.211	1.845	1.730	5.095	104.000
47	2.350	7.710	31.120	31.123	1.233	0.560	3.962	99.000
48	2.400	7.874	31.680	31.657	1.160	-3.620	3.664	102.900
49	2.450	8.038	21.950	21.930	0.874	-3.230	3.985	86.400
50	2.500	8.202	21.460	21.445	0.809	-2.460	3.773	93.900
51	2.550	8.366	40.900	40.882	1.499	-2.910	3.667	79.700
52	2.600	8.530	58.480	58.474	1.526	-0.980	2.610	78.900
53	2.650	8.694	32.270	32.292	2.642	3.540	8.182	68.200
54	2.700	8.858	53.370	53.373	1.184	0.530	2.218	61.600
55	2.750	9.022	125.570	125.557	3.055	-2.110	2.433	69.800
56	2.800	9.186	62.860	62.865	2.942	0.750	4.680	59.700
57	2.850	9.350	30.350	30.353	2.019	0.450	6.652	71.200
58	2.900	9.514	26.350	26.347	1.686	-0.460	6.399	64.300
59	2.950	9.678	239.230	239.264	2.297	5.520	0.960	54.500
60	3.000	9.842	384.180	384.202	0.206	3.470	0.054	65.100
61	3.050	10.006	351.680	351.683	1.193	0.450	0.339	61.900
62	3.100	10.170	130.020	130.013	1.083	-1.140	0.833	60.400
63	3.150	10.335	87.360	87.358	1.940	-0.260	2.221	76.600
64	3.200	10.499	69.700	69.698	1.978	-0.320	2.838	58.100
65	3.250	10.663	12.600	12.594	1.527	-0.930	12.125	81.000
66	3.300	10.827	18.240	18.242	0.831	0.300	4.555	61.600
67	3.350	10.991	22.820	22.817	0.459	-0.500	2.012	71.400
68	3.400	11.155	18.710	18.692	0.439	-2.840	2.349	66.400
69	3.450	11.319	14.170	14.157	0.435	-2.070	3.073	66.700
70	3.500	11.483	8.830	8.849	0.698	3.120	7.887	72.300
71	3.550	11.647	8.190	8.199	0.836	1.450	10.196	65.000
72	3.600	11.811	8.080	8.059	0.755	-3.330	9.368	62.000
73	3.650	11.975	193.010	192.984	0.326	-4.110	0.169	65.600
74	3.700	12.139	128.460	128.455	0.355	-0.780	0.276	64.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	195.570	195.562	0.168	-1.290	0.086	62.400
76	3.800	12.467	217.090	217.081	0.000	-1.450	0.000	67.600
77	3.850	12.631	212.120	212.114	0.171	-0.920	0.081	69.600
78	3.900	12.795	199.610	199.604	0.000	-0.940	0.000	70.000
79	3.950	12.959	182.400	182.389	0.000	-1.750	0.000	59.000
80	4.000	13.123	163.140	163.133	0.342	-1.070	0.210	63.100
81	4.050	13.287	130.330	130.327	0.029	-0.410	0.022	54.500
82	4.100	13.451	113.550	113.544	2.009	-0.960	1.769	65.700
83	4.150	13.615	100.910	100.914	1.986	0.650	1.968	76.000
84	4.200	13.779	10.750	10.750	1.968	0.020	18.307	63.700
85	4.250	13.943	10.930	10.946	0.230	2.550	2.101	84.200
86	4.300	14.107	6.470	6.512	0.287	6.670	4.407	91.500
87	4.350	14.271	14.840	14.886	0.485	7.410	3.258	108.300
88	4.400	14.436	28.740	28.792	0.822	8.310	2.855	104.100
89	4.450	14.600	35.370	35.414	1.003	7.060	2.832	94.700
90	4.500	14.764	45.380	45.446	1.133	10.600	2.493	107.900
91	4.550	14.928	42.950	42.997	1.221	7.560	2.840	110.700
92	4.600	15.092	73.030	73.127	1.439	15.590	1.968	103.900
93	4.650	15.256	98.560	98.666	1.539	17.010	1.560	103.800
94	4.700	15.420	104.390	104.455	2.116	10.350	2.026	106.800
95	4.750	15.584	84.640	84.695	2.394	8.890	2.827	88.800
96	4.800	15.748	80.660	80.704	1.922	6.970	2.382	88.500
97	4.850	15.912	102.310	102.357	1.801	7.480	1.760	80.400
98	4.900	16.076	118.750	118.783	1.528	5.300	1.286	80.500
99	4.950	16.240	74.040	74.055	1.238	2.380	1.672	77.300
100	5.000	16.404	53.020	53.012	0.957	-1.210	1.805	65.200
101	5.050	16.568	37.360	37.351	0.701	-1.520	1.877	60.100
102	5.100	16.732	24.410	24.390	0.637	-3.210	2.612	44.000
103	5.150	16.896	20.480	20.457	0.597	-3.670	2.918	27.800
104	5.200	17.060	26.000	25.983	0.656	-2.730	2.525	19.400
105	5.250	17.224	26.620	26.617	0.488	-0.490	1.833	27.600
106	5.300	17.388	30.080	30.085	0.769	0.770	2.556	12.200
107	5.350	17.552	25.410	25.418	0.696	1.210	2.738	19.800
108	5.400	17.716	67.610	67.624	0.491	2.190	0.726	16.800
109	5.450	17.880	78.110	78.106	1.216	-0.650	1.557	12.300
110	5.500	18.044	118.060	118.055	1.223	-0.760	1.036	13.000
111	5.550	18.208	149.970	149.960	1.386	-1.600	0.924	15.900
112	5.600	18.372	147.210	147.202	1.181	-1.210	0.802	8.800
113	5.650	18.537	152.880	152.873	0.850	-1.070	0.556	4.200
114	5.700	18.701	160.290	160.293	0.886	0.560	0.553	10.600
115	5.750	18.865	132.820	132.823	1.257	0.540	0.946	11.100
116	5.800	19.029	176.290	176.295	0.679	0.780	0.385	9.700
117	5.850	19.193	209.100	209.102	0.415	0.320	0.198	8.700
118	5.900	19.357	185.690	185.693	0.163	0.440	0.088	11.500
119	5.950	19.521	179.390	179.397	0.020	1.050	0.011	12.700
120	6.000	19.685	153.090	153.100	0.033	1.670	0.022	10.000
121	6.050	19.849	136.960	136.972	0.000	1.920	0.000	22.200
122	6.100	20.013	132.070	132.084	0.000	2.230	0.000	24.100
123	6.150	20.177	128.780	128.801	0.000	3.340	0.000	27.000
124	6.200	20.341	184.070	184.108	0.000	6.110	0.000	38.900
125	6.250	20.505	185.290	185.327	0.000	5.920	0.000	49.700
126	6.300	20.669	197.820	197.870	0.000	8.030	0.000	61.300
127	6.350	20.833	211.100	211.150	0.000	8.030	0.000	72.300
128	6.400	20.997	193.120	193.161	0.000	6.600	0.000	75.800
129	6.450	21.161	177.650	177.686	0.000	5.790	0.000	63.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	157.560	157.593	0.000	5.270	0.000	46.600
131	6.550	21.489	139.760	139.795	0.014	5.590	0.010	42.600
132	6.600	21.653	122.990	123.009	0.446	2.990	0.363	44.400
133	6.650	21.817	133.710	133.727	0.430	2.740	0.322	28.300
134	6.700	21.981	158.400	158.421	0.928	3.430	0.586	26.300
135	6.750	22.145	176.950	176.978	0.432	4.410	0.244	23.800
136	6.800	22.309	220.850	220.875	0.003	4.060	0.001	23.400
137	6.850	22.473	219.060	219.084	0.003	3.920	0.001	14.400
138	6.900	22.638	245.900	245.940	0.158	6.410	0.064	23.200
139	6.950	22.802	228.110	228.137	0.130	4.310	0.057	27.100
140	7.000	22.966	239.470	239.490	0.587	3.190	0.245	28.700
141	7.050	23.130	247.920	247.944	0.446	3.800	0.180	33.100
142	7.100	23.294	275.770	275.795	2.566	3.960	0.930	51.900
143	7.150	23.458	255.100	255.129	2.945	4.600	1.154	56.500
144	7.200	23.622	52.000	52.339	2.665	54.290	5.092	76.100
145	7.250	23.786	30.680	31.184	1.545	80.660	4.955	80.000
146	7.300	23.950	42.090	42.613	0.713	83.720	1.673	67.500
147	7.350	24.114	57.620	57.806	1.085	29.760	1.877	58.700
148	7.400	24.278	55.670	55.766	1.264	15.440	2.267	68.100
149	7.450	24.442	47.950	48.079	1.337	20.650	2.781	66.600
150	7.500	24.606	49.520	49.580	1.212	9.560	2.445	67.500
151	7.550	24.770	37.200	37.180	0.936	-3.220	2.517	67.900
152	7.600	24.934	23.670	23.747	0.688	12.330	2.897	72.400
153	7.650	25.098	21.030	21.065	0.504	5.640	2.393	55.600
154	7.700	25.262	19.470	19.508	0.466	6.090	2.389	50.500
155	7.750	25.426	13.180	13.188	0.363	1.320	2.752	31.500
156	7.800	25.590	20.810	20.831	0.330	3.390	1.584	12.100
157	7.850	25.754	25.910	25.912	0.534	0.280	2.061	17.700
158	7.900	25.918	19.750	19.765	0.579	2.380	2.929	15.100
159	7.950	26.082	19.930	19.952	0.667	3.450	3.343	6.900
160	8.000	26.246	17.110	17.132	0.739	3.500	4.314	9.300
161	8.050	26.410	20.390	20.413	0.756	3.660	3.704	8.200
162	8.100	26.574	32.070	32.104	0.927	5.440	2.887	11.600
163	8.150	26.739	45.900	45.920	0.975	3.260	2.123	14.700
164	8.200	26.903	69.010	69.011	1.041	0.130	1.508	7.900
165	8.250	27.067	82.990	82.994	1.028	0.720	1.239	18.200
166	8.300	27.231	107.710	107.725	1.364	2.480	1.266	20.100
167	8.350	27.395	109.370	109.400	1.299	4.880	1.187	24.400
168	8.400	27.559	98.550	98.570	1.744	3.230	1.769	30.900
169	8.450	27.723	65.470	65.557	1.499	13.900	2.287	45.800
170	8.500	27.887	32.870	32.925	1.409	8.800	4.279	69.100
171	8.550	28.051	19.330	19.413	0.595	13.250	3.065	80.700
172	8.600	28.215	39.760	39.854	0.610	15.000	1.531	63.100
173	8.650	28.379	37.350	37.398	0.811	7.710	2.169	61.400
174	8.700	28.543	31.430	31.404	0.738	-4.200	2.350	43.900
175	8.750	28.707	31.680	31.658	0.805	-3.530	2.543	45.400
176	8.800	28.871	55.360	55.354	0.627	-1.040	1.133	34.100
177	8.850	29.035	53.470	53.481	0.732	1.800	1.369	34.700
178	8.900	29.199	36.190	36.186	0.803	-0.600	2.219	27.000
179	8.950	29.363	15.150	15.156	0.739	0.940	4.876	24.000
180	9.000	29.527	20.850	20.863	0.656	2.130	3.144	18.500
181	9.050	29.691	16.480	16.488	0.541	1.250	3.281	23.900
182	9.100	29.855	26.720	26.715	0.611	-0.790	2.287	19.700
183	9.150	30.019	61.100	61.095	0.580	-0.820	0.949	24.700
184	9.200	30.183	62.940	62.963	0.751	3.700	1.193	32.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	35.830	35.846	0.742	2.570	2.070	39.000
186	9.300	30.511	22.100	22.118	0.591	2.940	2.672	42.200
187	9.350	30.675	18.360	18.382	0.508	3.590	2.764	46.400
188	9.400	30.840	42.850	42.866	0.560	2.540	1.306	51.300
189	9.450	31.004	27.080	27.094	0.557	2.210	2.056	69.300
190	9.500	31.168	30.880	30.906	0.627	4.210	2.029	61.300
191	9.550	31.332	33.610	33.622	0.585	1.970	1.740	50.800
192	9.600	31.496	26.960	26.974	0.532	2.250	1.972	62.500
193	9.650	31.660	29.400	29.424	0.963	3.870	3.273	57.700
194	9.700	31.824	52.110	52.116	0.651	0.940	1.249	62.700
195	9.750	31.988	54.600	54.604	0.743	0.680	1.361	42.500
196	9.800	32.152	74.680	74.679	0.648	-0.130	0.868	49.500
197	9.850	32.316	71.950	71.950	0.565	0.060	0.785	60.400
198	9.900	32.480	74.330	74.331	0.504	0.230	0.678	52.300
199	9.950	32.644	77.800	77.809	0.692	1.380	0.889	64.000
200	10.000	32.808	64.810	64.810	1.174	0.070	1.811	63.600
201	10.050	32.972	41.850	41.861	1.230	1.810	2.938	66.400
202	10.100	33.136	26.770	26.804	1.059	5.410	3.951	72.000
203	10.150	33.300	26.730	26.777	0.926	7.490	3.458	59.600
204	10.200	33.464	40.280	40.330	1.133	8.030	2.809	68.200
205	10.250	33.628	38.070	38.116	1.018	7.430	2.671	54.800
206	10.300	33.792	33.410	33.457	1.043	7.500	3.117	55.100
207	10.350	33.956	21.360	21.403	0.653	6.850	3.051	38.500
208	10.400	34.120	25.750	25.794	0.907	7.070	3.516	36.100
209	10.450	34.284	54.050	54.094	0.983	7.060	1.817	26.800
210	10.500	34.448	27.040	27.064	1.023	3.890	3.780	24.700
211	10.550	34.612	18.120	18.137	0.929	2.660	5.122	34.000
212	10.600	34.776	56.910	56.920	0.801	1.680	1.407	29.400
213	10.650	34.941	38.660	38.677	0.946	2.730	2.446	27.800
214	10.700	35.105	42.150	42.161	0.832	1.810	1.973	36.300
215	10.750	35.269	41.470	41.500	0.844	4.770	2.034	40.800
216	10.800	35.433	47.780	47.811	0.582	4.930	1.217	28.700
217	10.850	35.597	54.940	54.964	0.785	3.830	1.428	27.200
218	10.900	35.761	90.980	91.005	1.236	3.940	1.358	31.200
219	10.950	35.925	81.990	82.009	1.913	2.970	2.333	21.100
220	11.000	36.089	104.680	104.701	2.973	3.290	2.840	22.100
221	11.050	36.253	82.030	82.042	3.133	2.000	3.819	24.300
222	11.100	36.417	63.070	63.122	2.320	8.250	3.675	17.500
223	11.150	36.581	97.640	97.711	1.500	11.360	1.535	17.100
224	11.200	36.745	102.700	102.752	1.618	8.400	1.575	12.000
225	11.250	36.909	96.900	96.929	1.554	4.680	1.603	15.100
226	11.300	37.073	65.580	65.628	1.340	7.710	2.042	17.400
227	11.350	37.237	42.150	42.194	1.013	7.090	2.401	13.300
228	11.400	37.401	55.100	55.135	0.870	5.680	1.578	15.700
229	11.450	37.565	63.870	63.906	1.420	5.830	2.222	15.100
230	11.500	37.729	75.960	75.988	1.861	4.450	2.449	12.900
231	11.550	37.893	99.920	99.954	2.459	5.420	2.460	20.500
232	11.600	38.057	75.980	76.029	2.219	7.910	2.919	15.700
233	11.650	38.221	76.840	76.891	2.564	8.210	3.335	21.100
234	11.700	38.385	115.540	115.605	2.734	10.470	2.365	17.600
235	11.750	38.549	76.380	76.450	2.654	11.250	3.472	28.200
236	11.800	38.713	67.550	67.619	2.270	11.070	3.357	41.200
237	11.850	38.877	51.230	51.295	1.722	10.490	3.357	40.200
238	11.900	39.042	44.640	44.700	1.841	9.570	4.119	36.500
239	11.950	39.206	59.240	59.299	1.715	9.480	2.892	27.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	62.910	62.973	1.419	10.030	2.253	25.700
241	12.050	39.534	64.660	64.724	1.721	10.220	2.659	27.200
242	12.100	39.698	66.820	66.883	2.436	10.130	3.642	21.900
243	12.150	39.862	90.620	90.686	2.943	10.580	3.245	29.500
244	12.200	40.026	77.230	77.297	2.878	10.740	3.723	31.300
245	12.250	40.190	74.090	74.158	2.799	10.830	3.774	41.200
246	12.300	40.354	56.410	56.478	2.104	10.970	3.725	54.900
247	12.350	40.518	41.980	42.047	1.871	10.730	4.450	48.000
248	12.400	40.682	57.060	57.126	1.403	10.630	2.456	55.400
249	12.450	40.846	54.270	54.336	1.231	10.500	2.266	43.400
250	12.500	41.010	88.120	88.184	1.265	10.320	1.434	30.700
251	12.550	41.174	106.270	106.334	2.245	10.270	2.111	29.200
252	12.600	41.338	94.970	95.032	3.010	9.900	3.167	24.000
253	12.650	41.502	63.550	63.610	2.827	9.560	4.444	27.800
254	12.700	41.666	53.810	53.869	2.639	9.500	4.899	23.200
255	12.750	41.830	60.540	60.601	2.932	9.790	4.838	22.800
256	12.800	41.994	70.200	70.262	3.927	9.960	5.589	19.600
257	12.850	42.158	142.050	142.115	4.334	10.410	3.050	27.200
258	12.900	42.322	211.920	211.987	3.461	10.700	1.633	24.000
259	12.950	42.486	185.470	185.544	3.081	11.900	1.661	30.900
260	13.000	42.650	146.070	146.141	2.879	11.330	1.970	32.800
261	13.050	42.814	145.100	145.169	2.813	11.070	1.938	33.800
262	13.100	42.978	120.350	120.419	2.348	11.000	1.950	48.400
263	13.150	43.143	71.060	71.127	1.780	10.770	2.503	40.100
264	13.200	43.307	57.760	57.826	1.571	10.540	2.717	54.000
265	13.250	43.471	63.810	63.876	1.101	10.500	1.724	62.100
266	13.300	43.635	58.300	58.365	1.174	10.430	2.011	56.600
267	13.350	43.799	53.890	53.954	1.378	10.290	2.554	56.100
268	13.400	43.963	68.310	68.375	1.686	10.340	2.466	61.400
269	13.450	44.127	33.070	33.133	1.530	10.160	4.618	47.800
270	13.500	44.291	50.520	50.584	1.983	10.210	3.920	53.700
271	13.550	44.455	115.210	115.275	2.337	10.350	2.027	50.900
272	13.600	44.619	93.020	93.084	2.799	10.290	3.007	39.400
273	13.650	44.783	108.950	109.015	3.128	10.370	2.869	54.600
274	13.700	44.947	84.370	84.429	2.402	9.500	2.845	53.200
275	13.750	45.111	88.030	88.091	1.943	9.750	2.206	67.800
276	13.800	45.275	50.510	50.573	1.609	10.070	3.182	73.500
277	13.850	45.439	52.260	52.324	1.601	10.220	3.060	76.500
278	13.900	45.603	94.640	94.704	1.527	10.320	1.612	74.400
279	13.950	45.767	56.250	56.314	1.581	10.230	2.807	67.400
280	14.000	45.931	60.440	60.504	1.741	10.220	2.878	82.500
281	14.050	46.095	66.250	66.314	1.685	10.270	2.541	79.500
282	14.100	46.259	64.910	64.973	1.621	10.120	2.495	64.400
283	14.150	46.423	56.900	56.964	1.595	10.200	2.800	67.600
284	14.200	46.587	75.040	75.104	1.699	10.310	2.262	64.700
285	14.250	46.751	74.850	74.914	2.078	10.240	2.774	70.700
286	14.300	46.915	56.080	56.145	1.978	10.350	3.523	79.900
287	14.350	47.079	123.590	123.657	2.146	10.800	1.735	100.600
288	14.400	47.244	133.080	133.148	2.636	10.920	1.980	82.500
289	14.450	47.408	88.290	88.357	2.890	10.790	3.271	85.300
290	14.500	47.572	85.420	85.488	2.791	10.950	3.265	104.000
291	14.550	47.736	86.220	86.292	2.683	11.470	3.109	91.400
292	14.600	47.900	68.120	68.191	2.800	11.370	4.106	94.000
293	14.650	48.064	61.420	61.491	2.122	11.350	3.451	87.100
294	14.700	48.228	107.180	107.254	1.962	11.910	1.829	82.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	103.560	103.634	1.878	11.780	1.812	79.100
296	14.800	48.556	71.270	71.343	1.757	11.620	2.463	97.500
297	14.850	48.720	48.390	48.462	1.470	11.490	3.033	102.300
298	14.900	48.884	30.920	30.991	1.170	11.450	3.775	93.700
299	14.950	49.048	23.870	23.941	0.797	11.400	3.329	81.800
300	15.000	49.212	25.160	25.232	0.502	11.460	1.990	97.300
301	15.050	49.376	30.400	30.471	0.491	11.430	1.611	93.700
302	15.100	49.540	32.990	33.062	0.527	11.460	1.594	87.900
303	15.150	49.704	37.790	37.862	0.561	11.530	1.482	86.900
304	15.200	49.868	34.700	34.772	0.666	11.520	1.915	94.400
305	15.250	50.032	35.040	35.112	0.868	11.530	2.472	90.600
306	15.300	50.196	36.770	36.842	0.803	11.540	2.180	87.500
307	15.350	50.360	33.350	33.423	0.818	11.660	2.447	96.400
308	15.400	50.524	29.890	29.962	0.776	11.570	2.590	81.700
309	15.450	50.688	39.980	40.052	0.932	11.610	2.327	87.900
310	15.500	50.852	50.130	50.203	1.131	11.730	2.253	85.000
311	15.550	51.016	61.430	61.503	1.348	11.710	2.192	92.700
312	15.600	51.180	74.480	74.553	1.534	11.650	2.058	90.800
313	15.650	51.345	64.280	64.352	1.411	11.490	2.193	96.800
314	15.700	51.509	54.060	54.130	1.160	11.250	2.143	0.000
315	15.750	51.673	56.720	56.790	1.121	11.180	1.974	0.000
316	15.800	51.837	52.340	52.410	0.818	11.180	1.561	0.000
317	15.850	52.001	44.760	44.829	0.791	11.100	1.764	0.000
318	15.900	52.165	32.980	33.049	0.782	11.070	2.366	0.000
319	15.950	52.329	26.800	26.870	0.653	11.170	2.430	0.000
320	16.000	52.493	27.400	27.470	0.771	11.200	2.807	0.000
321	16.050	52.657	28.610	28.680	0.866	11.290	3.019	0.000
322	16.100	52.821	55.850	55.922	1.185	11.560	2.119	0.000
323	16.150	52.985	121.090	121.162	1.702	11.590	1.405	0.000
324	16.200	53.149	174.500	174.573	2.095	11.680	1.200	0.000
325	16.250	53.313	208.350	208.423	2.484	11.620	1.192	0.000
326	16.300	53.477	203.810	203.883	2.788	11.640	1.367	0.000
327	16.350	53.641	202.340	202.414	2.986	11.790	1.475	0.000
328	16.400	53.805	217.730	217.803	2.931	11.630	1.346	0.000
329	16.450	53.969	269.680	269.753	0.000	11.690	0.000	0.000
330	16.500	54.133	325.190	325.265	0.000	11.960	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221580
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-10-4
Cone ID:	268:T1500F15U500
Operator:	BM/JT/YB
CPT Date:	Nov-18-2013
CPT Time:	10:16
CPT File:	13-53075_GP10-4.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722204.677
Northing / Lat:	4294313.929
Elevation:	147.273
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
1	0.050	0.164	0.290	0.290	0.038	-0.050	13.118	0.000
2	0.100	0.328	29.490	29.492	0.096	0.360	0.326	0.000
3	0.150	0.492	34.000	34.003	0.101	0.520	0.297	0.000
4	0.200	0.656	47.240	47.245	0.100	0.830	0.212	0.000
5	0.250	0.820	65.710	65.712	0.252	0.330	0.383	0.000
6	0.300	0.984	89.060	89.070	0.310	1.660	0.348	0.000
7	0.350	1.148	91.860	91.884	0.475	3.780	0.517	0.000
8	0.400	1.312	85.260	85.295	0.312	5.630	0.366	0.000
9	0.450	1.476	76.050	76.067	0.463	2.670	0.609	0.000
10	0.500	1.640	65.610	65.661	0.522	8.090	0.795	0.000
11	0.550	1.804	46.640	46.683	0.606	6.810	1.298	0.000
12	0.600	1.968	54.630	54.654	1.102	3.830	2.016	0.000
13	0.650	2.133	73.400	73.413	3.111	2.040	4.238	0.000
14	0.700	2.297	148.170	148.189	4.838	3.100	3.265	0.000
15	0.750	2.461	368.650	368.650	0.000	0.080	0.000	0.000
16	0.800	2.625	441.740	441.742	0.000	0.400	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221583
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-11-1
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-21-2013
CPT Time:	07:55
CPT File:	13-53075_GP11-1.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722211.153
Northing / Lat:	4294363.428
Elevation:	146.134
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	1.950	1.951	0.011	0.090	0.564	153.500
2	0.100	0.328	25.200	25.205	0.041	0.840	0.163	64.600
3	0.150	0.492	31.060	31.070	0.068	1.570	0.219	43.800
4	0.200	0.656	29.150	29.163	0.077	2.030	0.264	49.400
5	0.250	0.820	29.630	29.644	0.123	2.180	0.415	59.200
6	0.300	0.984	29.450	29.464	0.193	2.290	0.655	73.800
7	0.350	1.148	27.800	27.818	0.319	2.890	1.147	75.400
8	0.400	1.312	12.870	12.897	0.427	4.340	3.311	77.100
9	0.450	1.476	10.770	10.787	0.507	2.720	4.700	96.000
10	0.500	1.640	12.010	12.023	0.485	2.070	4.034	96.100
11	0.550	1.804	16.040	16.071	0.500	4.990	3.111	103.400
12	0.600	1.968	24.660	24.683	0.599	3.710	2.427	106.900
13	0.650	2.133	31.710	31.733	0.641	3.740	2.020	80.600
14	0.700	2.297	34.600	34.627	1.430	4.270	4.130	75.300
15	0.750	2.461	42.400	42.424	2.246	3.840	5.294	69.400
16	0.800	2.625	205.130	205.166	1.764	5.780	0.860	64.800
17	0.850	2.789	187.870	187.890	1.144	3.180	0.609	56.600
18	0.900	2.953	105.310	105.325	4.737	2.360	4.498	57.200
19	0.950	3.117	95.810	95.822	4.408	1.970	4.600	66.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	43.290	43.315	3.093	4.060	7.141	64.800
21	1.050	3.445	31.000	31.025	1.119	3.950	3.607	70.400
22	1.100	3.609	24.720	24.736	0.847	2.530	3.424	77.700
23	1.150	3.773	23.290	23.302	0.984	1.970	4.223	74.500
24	1.200	3.937	49.340	49.353	1.223	2.100	2.478	83.400
25	1.250	4.101	41.620	41.631	1.351	1.790	3.245	100.000
26	1.300	4.265	25.410	25.427	1.377	2.680	5.416	89.800
27	1.350	4.429	33.360	33.379	1.540	2.980	4.614	94.900
28	1.400	4.593	31.980	31.996	1.221	2.570	3.816	85.800
29	1.450	4.757	61.900	61.904	2.490	0.640	4.022	69.100
30	1.500	4.921	113.830	113.848	2.198	2.840	1.931	68.200
31	1.550	5.085	73.680	73.688	0.949	1.210	1.288	54.600
32	1.600	5.249	93.690	93.696	1.869	1.010	1.995	75.900
33	1.650	5.413	115.960	115.976	1.839	2.590	1.586	75.000
34	1.700	5.577	62.100	62.103	2.214	0.550	3.565	66.900
35	1.750	5.741	43.970	43.981	2.064	1.690	4.693	70.900
36	1.800	5.905	37.760	37.792	1.449	5.140	3.834	72.000
37	1.850	6.069	25.720	25.745	1.003	3.960	3.896	77.600
38	1.900	6.234	18.830	18.852	0.805	3.540	4.270	77.900
39	1.950	6.398	20.120	20.140	0.714	3.180	3.545	93.300
40	2.000	6.562	21.590	21.598	0.824	1.210	3.815	88.300
41	2.050	6.726	25.470	25.478	0.838	1.250	3.289	70.900
42	2.100	6.890	17.200	17.213	0.902	2.100	5.240	78.600
43	2.150	7.054	17.710	17.728	0.985	2.850	5.556	81.300
44	2.200	7.218	20.240	20.254	0.830	2.280	4.098	82.900
45	2.250	7.382	13.600	13.612	0.768	1.870	5.642	77.500
46	2.300	7.546	12.260	12.271	0.655	1.750	5.338	71.400
47	2.350	7.710	12.470	12.479	0.553	1.520	4.431	82.900
48	2.400	7.874	12.600	12.598	0.388	-0.310	3.080	91.200
49	2.450	8.038	16.100	16.093	0.423	-1.150	2.629	88.600
50	2.500	8.202	15.020	15.017	0.335	-0.410	2.231	85.700
51	2.550	8.366	13.620	13.616	0.443	-0.590	3.253	84.100
52	2.600	8.530	12.410	12.409	0.423	-0.210	3.409	85.500
53	2.650	8.694	9.580	9.583	0.439	0.550	4.581	87.700
54	2.700	8.858	8.000	8.004	0.379	0.650	4.735	90.000
55	2.750	9.022	8.560	8.566	0.353	0.890	4.121	88.800
56	2.800	9.186	8.780	8.786	0.335	0.980	3.813	94.500
57	2.850	9.350	11.000	11.003	0.310	0.560	2.817	84.400
58	2.900	9.514	11.830	11.831	0.407	0.180	3.440	84.200
59	2.950	9.678	15.120	15.116	0.264	-0.600	1.746	86.400
60	3.000	9.842	23.410	23.405	0.238	-0.760	1.017	75.600
61	3.050	10.006	31.540	31.542	0.481	0.370	1.525	76.900
62	3.100	10.170	135.500	135.507	1.081	1.170	0.798	79.000
63	3.150	10.335	214.360	214.369	1.072	1.490	0.500	81.200
64	3.200	10.499	175.020	175.023	2.249	0.410	1.285	75.500
65	3.250	10.663	87.560	87.560	1.898	-0.050	2.168	85.700
66	3.300	10.827	61.000	61.007	1.764	1.100	2.891	92.600
67	3.350	10.991	41.320	41.341	1.808	3.430	4.373	83.900
68	3.400	11.155	45.650	45.674	0.722	3.880	1.581	89.400
69	3.450	11.319	38.180	38.195	0.854	2.370	2.236	89.500
70	3.500	11.483	32.970	32.975	0.838	0.770	2.541	87.300
71	3.550	11.647	33.450	33.472	0.845	3.580	2.524	72.100
72	3.600	11.811	27.250	27.255	0.653	0.830	2.396	61.000
73	3.650	11.975	25.850	25.850	0.625	0.020	2.418	60.100
74	3.700	12.139	26.690	26.698	0.613	1.220	2.296	42.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	41.070	41.091	1.011	3.430	2.460	40.100
76	3.800	12.467	35.790	35.807	1.203	2.740	3.360	36.900
77	3.850	12.631	45.680	45.710	1.181	4.840	2.584	35.800
78	3.900	12.795	74.040	74.069	1.259	4.610	1.700	34.200
79	3.950	12.959	66.640	66.684	1.236	7.070	1.854	56.700
80	4.000	13.123	37.510	37.548	1.143	6.050	3.044	71.100
81	4.050	13.287	24.020	24.020	1.060	0.080	4.413	80.100
82	4.100	13.451	21.280	21.293	0.750	2.010	3.522	84.400
83	4.150	13.615	14.640	14.644	0.554	0.640	3.783	85.300
84	4.200	13.779	12.420	12.424	0.383	0.690	3.083	71.400
85	4.250	13.943	12.970	12.966	0.264	-0.640	2.036	74.100
86	4.300	14.107	18.920	18.989	0.262	11.020	1.380	82.900
87	4.350	14.271	13.740	13.780	0.347	6.450	2.518	64.700
88	4.400	14.436	12.520	12.555	0.468	5.530	3.728	68.500
89	4.450	14.600	28.560	28.586	0.723	4.240	2.529	78.400
90	4.500	14.764	21.510	21.519	0.720	1.460	3.346	72.800
91	4.550	14.928	12.110	12.147	0.712	6.000	5.861	84.700
92	4.600	15.092	14.100	14.154	0.462	8.650	3.264	89.200
93	4.650	15.256	11.520	11.565	0.495	7.170	4.280	77.700
94	4.700	15.420	9.090	9.142	0.393	8.270	4.299	75.900
95	4.750	15.584	15.050	15.117	0.376	10.680	2.487	64.900
96	4.800	15.748	19.280	19.339	0.330	9.410	1.706	52.900
97	4.850	15.912	32.880	32.922	0.544	6.790	1.652	44.600
98	4.900	16.076	23.430	23.460	0.343	4.830	1.462	52.000
99	4.950	16.240	10.900	10.916	0.318	2.500	2.913	54.800
100	5.000	16.404	25.060	25.074	0.403	2.250	1.607	47.700
101	5.050	16.568	29.230	29.247	0.483	2.790	1.651	55.500
102	5.100	16.732	22.640	22.651	0.722	1.700	3.188	63.800
103	5.150	16.896	20.360	20.387	0.727	4.320	3.566	82.200
104	5.200	17.060	11.210	11.319	0.678	17.440	5.990	94.200
105	5.250	17.224	10.640	10.710	0.491	11.230	4.584	106.000
106	5.300	17.388	14.810	14.932	0.420	19.470	2.813	101.400
107	5.350	17.552	12.970	13.073	0.364	16.510	2.784	80.600
108	5.400	17.716	11.980	12.095	0.417	18.410	3.448	75.000
109	5.450	17.880	19.160	19.296	0.540	21.860	2.798	50.100
110	5.500	18.044	49.000	49.069	0.561	11.050	1.143	43.600
111	5.550	18.208	82.120	82.161	0.596	6.520	0.725	47.900
112	5.600	18.372	49.380	49.405	0.856	3.990	1.733	46.500
113	5.650	18.537	52.650	52.667	0.984	2.680	1.868	50.900
114	5.700	18.701	114.030	114.038	1.031	1.240	0.904	49.600
115	5.750	18.865	127.440	127.446	1.175	0.960	0.922	47.000
116	5.800	19.029	139.460	139.476	1.958	2.490	1.404	58.500
117	5.850	19.193	116.900	116.908	2.206	1.250	1.887	82.600
118	5.900	19.357	76.970	76.976	1.394	1.030	1.811	106.300
119	5.950	19.521	30.670	30.715	1.470	7.130	4.786	109.400
120	6.000	19.685	45.000	45.075	1.280	11.990	2.840	98.800
121	6.050	19.849	56.470	56.529	1.301	9.520	2.301	96.400
122	6.100	20.013	65.800	65.816	1.440	2.590	2.188	90.400
123	6.150	20.177	72.390	72.386	1.512	-0.590	2.089	86.700
124	6.200	20.341	75.330	75.318	1.854	-1.970	2.462	88.900
125	6.250	20.505	66.830	66.793	1.704	-5.920	2.551	87.800
126	6.300	20.669	35.350	35.304	1.648	-7.290	4.668	77.100
127	6.350	20.833	30.970	30.921	1.331	-7.890	4.305	64.300
128	6.400	20.997	23.560	23.500	1.033	-9.620	4.396	54.200
129	6.450	21.161	34.630	34.591	0.841	-6.260	2.431	47.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	23.360	23.342	0.776	-2.920	3.325	38.100
131	6.550	21.489	49.150	49.148	0.666	-0.350	1.355	36.900
132	6.600	21.653	96.700	96.701	1.487	0.100	1.538	31.200
133	6.650	21.817	91.780	91.779	1.050	-0.180	1.144	24.900
134	6.700	21.981	37.410	37.410	1.266	0.030	3.384	30.700
135	6.750	22.145	76.880	76.874	2.372	-0.970	3.086	33.300
136	6.800	22.309	27.900	27.900	1.849	-0.070	6.627	30.200
137	6.850	22.473	69.370	69.368	1.413	-0.260	2.037	39.200
138	6.900	22.638	47.990	47.987	1.310	-0.490	2.730	39.400
139	6.950	22.802	31.660	31.660	0.940	-0.080	2.969	34.800
140	7.000	22.966	29.610	29.610	1.170	-0.020	3.951	39.700
141	7.050	23.130	48.730	48.737	1.812	1.090	3.718	27.300
142	7.100	23.294	193.920	193.957	2.722	5.920	1.403	24.800
143	7.150	23.458	245.420	245.473	3.336	8.550	1.359	15.200
144	7.200	23.622	215.690	215.731	4.086	6.630	1.894	15.200
145	7.250	23.786	148.320	148.362	4.151	6.680	2.798	21.800
146	7.300	23.950	111.340	111.374	4.067	5.370	3.652	20.800
147	7.350	24.114	46.730	46.726	2.728	-0.720	5.838	24.900
148	7.400	24.278	40.200	40.234	1.936	5.480	4.812	24.900
149	7.450	24.442	75.390	75.422	1.190	5.200	1.578	20.400
150	7.500	24.606	21.000	21.012	1.257	1.980	5.982	29.400
151	7.550	24.770	18.670	18.695	1.119	3.980	5.986	28.900
152	7.600	24.934	13.730	13.783	0.706	8.410	5.122	33.200
153	7.650	25.098	18.440	18.508	0.721	10.970	3.896	38.400
154	7.700	25.262	13.380	13.443	0.500	10.100	3.719	28.400
155	7.750	25.426	32.240	32.305	0.542	10.410	1.678	19.200
156	7.800	25.590	15.170	15.219	0.507	7.860	3.331	20.800
157	7.850	25.754	6.090	6.107	0.613	2.740	10.037	17.200
158	7.900	25.918	27.160	27.172	0.614	1.970	2.260	15.900
159	7.950	26.082	26.240	26.277	0.755	5.850	2.873	16.100
160	8.000	26.246	17.650	17.661	0.897	1.820	5.079	8.300
161	8.050	26.410	18.200	18.210	0.842	1.540	4.624	13.500
162	8.100	26.574	22.060	22.066	0.799	0.900	3.621	15.800
163	8.150	26.739	19.180	19.210	0.993	4.840	5.169	17.400
164	8.200	26.903	22.360	22.413	1.304	8.410	5.818	18.500
165	8.250	27.067	26.380	26.437	1.150	9.200	4.350	16.200
166	8.300	27.231	29.570	29.609	1.442	6.220	4.870	21.500
167	8.350	27.395	30.210	30.216	1.150	0.960	3.806	27.300
168	8.400	27.559	27.960	27.977	1.124	2.700	4.018	18.500
169	8.450	27.723	50.350	50.376	1.245	4.160	2.471	22.400
170	8.500	27.887	35.370	35.395	1.764	3.990	4.984	26.700
171	8.550	28.051	48.220	48.249	1.882	4.570	3.901	30.900
172	8.600	28.215	24.630	24.683	1.665	8.460	6.746	36.200
173	8.650	28.379	23.000	22.990	1.365	-1.590	5.937	37.900
174	8.700	28.543	27.600	27.590	1.035	-1.560	3.751	30.800
175	8.750	28.707	32.620	32.621	0.998	0.120	3.059	26.600
176	8.800	28.871	43.420	43.424	1.179	0.700	2.715	20.600
177	8.850	29.035	38.410	38.431	1.258	3.430	3.273	19.300
178	8.900	29.199	28.870	28.934	1.456	10.180	5.032	19.000
179	8.950	29.363	33.130	33.203	1.282	11.660	3.861	17.900
180	9.000	29.527	27.320	27.355	1.160	5.590	4.241	22.500
181	9.050	29.691	25.950	26.000	0.972	7.970	3.738	19.200
182	9.100	29.855	25.370	25.394	1.037	3.900	4.084	13.700
183	9.150	30.019	33.880	33.916	1.160	5.840	3.420	16.400
184	9.200	30.183	43.200	43.231	1.424	4.970	3.294	22.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	42.250	42.292	1.847	6.680	4.367	20.500
186	9.300	30.511	45.270	45.316	1.702	7.430	3.756	33.200
187	9.350	30.675	31.570	31.590	1.578	3.130	4.995	26.000
188	9.400	30.840	28.460	28.486	0.870	4.240	3.054	35.600
189	9.450	31.004	20.610	20.627	0.833	2.700	4.038	43.400
190	9.500	31.168	26.050	26.050	0.834	0.010	3.202	50.900
191	9.550	31.332	44.460	44.482	1.064	3.540	2.392	69.200
192	9.600	31.496	73.040	73.068	1.298	4.460	1.776	65.600
193	9.650	31.660	79.900	79.918	1.498	2.900	1.874	88.000
194	9.700	31.824	79.900	79.922	1.687	3.480	2.111	81.100
195	9.750	31.988	65.510	65.533	1.765	3.680	2.693	76.300
196	9.800	32.152	56.630	56.652	1.726	3.600	3.047	76.600
197	9.850	32.316	54.300	54.321	1.423	3.430	2.620	67.600
198	9.900	32.480	81.630	81.653	1.247	3.750	1.527	60.100
199	9.950	32.644	73.680	73.694	1.182	2.300	1.604	62.500
200	10.000	32.808	79.030	79.050	1.062	3.210	1.343	61.500
201	10.050	32.972	81.820	81.839	1.059	3.120	1.294	58.300
202	10.100	33.136	82.830	82.850	1.270	3.170	1.533	56.500
203	10.150	33.300	80.140	80.160	1.770	3.180	2.208	48.000
204	10.200	33.464	80.020	80.041	1.487	3.300	1.858	41.700
205	10.250	33.628	93.750	93.772	3.138	3.600	3.346	30.300
206	10.300	33.792	107.780	107.806	3.197	4.090	2.966	24.700
207	10.350	33.956	61.460	61.512	3.638	8.330	5.914	27.800
208	10.400	34.120	69.460	69.525	2.459	10.440	3.537	26.600
209	10.450	34.284	51.100	51.164	2.580	10.270	5.043	30.800
210	10.500	34.448	62.110	62.156	1.565	7.370	2.518	33.200
211	10.550	34.612	156.970	157.014	0.859	7.100	0.547	41.900
212	10.600	34.776	229.530	229.569	1.179	6.250	0.514	57.100
213	10.650	34.941	83.820	83.829	1.530	1.480	1.825	79.600
214	10.700	35.105	45.580	45.601	1.484	3.320	3.254	74.600
215	10.750	35.269	29.060	29.102	1.246	6.680	4.282	83.900
216	10.800	35.433	38.160	38.209	1.369	7.870	3.583	76.100
217	10.850	35.597	32.730	32.774	1.356	7.100	4.137	85.100
218	10.900	35.761	28.490	28.535	1.469	7.130	5.148	86.200
219	10.950	35.925	26.790	26.834	1.435	7.080	5.348	91.900
220	11.000	36.089	23.790	23.835	1.476	7.240	6.193	85.500
221	11.050	36.253	38.050	38.103	1.212	8.440	3.181	83.200
222	11.100	36.417	54.460	54.512	1.025	8.290	1.880	82.700
223	11.150	36.581	67.470	67.520	0.930	8.060	1.377	82.500
224	11.200	36.745	72.880	72.930	1.048	7.950	1.437	83.100
225	11.250	36.909	76.870	76.918	1.152	7.660	1.498	84.000
226	11.300	37.073	75.080	75.125	1.231	7.210	1.639	83.200
227	11.350	37.237	71.570	71.613	1.329	6.900	1.856	81.000
228	11.400	37.401	68.390	68.432	1.385	6.740	2.024	75.900
229	11.450	37.565	66.520	66.561	1.653	6.600	2.483	80.200
230	11.500	37.729	54.380	54.419	2.109	6.210	3.876	65.300
231	11.550	37.893	45.260	45.299	1.998	6.210	4.411	54.400
232	11.600	38.057	55.810	55.847	1.790	5.860	3.205	58.200
233	11.650	38.221	26.440	26.458	1.444	2.890	5.458	56.200
234	11.700	38.385	15.300	15.308	1.138	1.270	7.434	61.600
235	11.750	38.549	18.430	18.431	0.486	0.130	2.637	60.000
236	11.800	38.713	28.960	28.967	0.423	1.180	1.460	64.900
237	11.850	38.877	51.490	51.496	0.831	0.960	1.614	70.000
238	11.900	39.042	42.080	42.090	1.170	1.540	2.780	55.600
239	11.950	39.206	37.270	37.285	1.314	2.390	3.524	72.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	43.650	43.672	1.206	3.460	2.762	71.200
241	12.050	39.534	53.160	53.178	1.120	2.830	2.106	68.300
242	12.100	39.698	70.050	70.076	1.367	4.110	1.951	64.000
243	12.150	39.862	84.460	84.480	1.820	3.180	2.154	73.700
244	12.200	40.026	40.170	40.189	1.808	3.070	4.499	71.200
245	12.250	40.190	24.700	24.722	1.586	3.460	6.415	83.300
246	12.300	40.354	30.080	30.113	1.284	5.260	4.264	69.000
247	12.350	40.518	78.010	78.052	1.712	6.670	2.193	67.100
248	12.400	40.682	78.330	78.371	2.461	6.500	3.140	63.300
249	12.450	40.846	77.390	77.432	3.035	6.690	3.920	50.100
250	12.500	41.010	51.090	51.139	2.515	7.910	4.918	58.800
251	12.550	41.174	53.310	53.357	2.321	7.450	4.350	65.000
252	12.600	41.338	65.860	65.903	2.100	6.910	3.186	60.800
253	12.650	41.502	55.810	55.850	1.940	6.430	3.474	62.100
254	12.700	41.666	88.620	88.665	2.372	7.140	2.675	51.300
255	12.750	41.830	85.170	85.219	2.376	7.850	2.788	68.500
256	12.800	41.994	53.580	53.636	2.580	8.990	4.810	89.900
257	12.850	42.158	36.760	36.819	1.704	9.470	4.628	93.500
258	12.900	42.322	29.650	29.714	1.452	10.280	4.887	104.800
259	12.950	42.486	28.520	28.588	1.393	10.840	4.873	100.800
260	13.000	42.650	28.080	28.149	1.500	11.000	5.329	99.700
261	13.050	42.814	27.100	27.170	1.499	11.180	5.517	112.100
262	13.100	42.978	26.690	26.760	1.391	11.190	5.198	106.200
263	13.150	43.143	25.680	25.750	1.305	11.220	5.068	114.000
264	13.200	43.307	24.800	24.871	1.204	11.300	4.841	94.900
265	13.250	43.471	23.520	23.591	1.083	11.370	4.591	104.400
266	13.300	43.635	22.170	22.241	0.964	11.360	4.334	102.600
267	13.350	43.799	21.630	21.702	0.835	11.540	3.848	95.700
268	13.400	43.963	29.630	29.702	0.978	11.540	3.293	98.500
269	13.450	44.127	44.780	44.852	1.171	11.560	2.611	99.900
270	13.500	44.291	52.620	52.681	1.267	9.700	2.405	89.200
271	13.550	44.455	35.970	36.029	0.961	9.380	2.667	88.300
272	13.600	44.619	25.540	25.599	0.683	9.520	2.668	98.800
273	13.650	44.783	20.230	20.294	0.544	10.200	2.681	92.300
274	13.700	44.947	20.860	20.933	0.515	11.760	2.460	99.500
275	13.750	45.111	32.810	32.892	0.695	13.190	2.113	96.000
276	13.800	45.275	54.500	54.585	0.917	13.580	1.680	93.200
277	13.850	45.439	61.040	61.118	1.176	12.440	1.924	91.800
278	13.900	45.603	53.850	53.924	1.215	11.850	2.253	90.600
279	13.950	45.767	50.930	51.003	1.278	11.690	2.506	87.700
280	14.000	45.931	49.360	49.432	1.345	11.460	2.721	98.100
281	14.050	46.095	53.910	53.956	1.546	7.400	2.865	89.000
282	14.100	46.259	61.740	61.785	1.549	7.260	2.507	85.100
283	14.150	46.423	76.750	76.796	1.600	7.290	2.083	88.600
284	14.200	46.587	96.730	96.775	1.687	7.180	1.743	93.200
285	14.250	46.751	81.560	81.604	1.844	6.990	2.260	87.400
286	14.300	46.915	74.960	75.003	2.214	6.940	2.952	85.100
287	14.350	47.079	91.840	91.884	2.549	7.060	2.774	94.300
288	14.400	47.244	136.050	136.095	1.256	7.280	0.923	94.800
289	14.450	47.408	180.890	180.936	2.662	7.410	1.471	99.100
290	14.500	47.572	134.900	134.946	3.355	7.390	2.486	86.000
291	14.550	47.736	250.190	250.239	4.332	7.780	1.731	77.100
292	14.600	47.900	265.710	265.763	5.360	8.540	2.017	77.700
293	14.650	48.064	255.980	256.035	5.534	8.770	2.161	81.500
294	14.700	48.228	260.790	260.848	5.457	9.250	2.092	77.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	285.960	286.020	5.802	9.560	2.029	0.000
296	14.800	48.556	294.030	294.093	6.236	10.170	2.120	0.000
297	14.850	48.720	287.890	287.957	6.215	10.700	2.158	0.000
298	14.900	48.884	251.530	251.599	6.781	11.130	2.695	0.000
299	14.950	49.048	239.040	239.111	6.276	11.380	2.625	0.000
300	15.000	49.212	166.040	166.112	5.300	11.490	3.191	0.000
301	15.050	49.376	151.110	151.182	4.248	11.490	2.810	0.000
302	15.100	49.540	126.600	126.669	3.566	11.110	2.815	0.000
303	15.150	49.704	115.850	115.918	3.008	10.860	2.595	0.000
304	15.200	49.868	111.860	111.927	2.539	10.670	2.268	0.000
305	15.250	50.032	109.570	109.635	2.224	10.360	2.029	0.000
306	15.300	50.196	115.520	115.582	2.375	9.980	2.055	0.000
307	15.350	50.360	130.820	130.880	2.550	9.580	1.948	0.000
308	15.400	50.524	145.350	145.409	2.705	9.510	1.860	0.000
309	15.450	50.688	154.070	154.126	0.000	8.920	0.000	0.000
310	15.500	50.852	172.060	172.116	0.000	8.910	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221585
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-11-2
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-20-2013
CPT Time:	13:04
CPT File:	13-53075_GP11-2.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722216.074
Northing / Lat:	4294346.811
Elevation:	144.604
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	17.770	17.770	0.037	0.080	0.208	28.200
2	0.100	0.328	25.400	25.401	0.081	0.130	0.319	41.100
3	0.150	0.492	30.630	30.629	0.169	-0.110	0.552	39.100
4	0.200	0.656	37.790	37.790	0.178	0.060	0.471	51.200
5	0.250	0.820	32.110	32.112	0.372	0.290	1.158	61.800
6	0.300	0.984	35.350	35.351	0.506	0.140	1.431	68.300
7	0.350	1.148	14.180	14.187	0.525	1.110	3.701	62.700
8	0.400	1.312	12.310	12.321	0.809	1.720	6.566	84.900
9	0.450	1.476	14.900	14.933	0.723	5.270	4.842	76.600
10	0.500	1.640	55.650	55.608	0.957	-6.800	1.721	102.400
11	0.550	1.804	28.480	28.485	1.477	0.860	5.185	85.800
12	0.600	1.968	43.010	43.007	1.675	-0.430	3.895	106.700
13	0.650	2.133	46.150	46.140	2.090	-1.570	4.530	104.400
14	0.700	2.297	48.070	48.053	2.338	-2.750	4.865	93.500
15	0.750	2.461	50.740	50.723	2.113	-2.660	4.166	105.700
16	0.800	2.625	65.060	65.045	2.306	-2.410	3.545	101.900
17	0.850	2.789	67.890	67.888	2.829	-0.390	4.167	89.300
18	0.900	2.953	85.890	85.891	2.233	0.110	2.600	106.800
19	0.950	3.117	83.970	83.973	1.684	0.470	2.005	96.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	54.920	54.918	1.720	-0.350	3.132	97.900
21	1.050	3.445	44.040	44.048	2.430	1.300	5.517	103.400
22	1.100	3.609	41.500	41.507	1.037	1.160	2.498	101.500
23	1.150	3.773	28.500	28.500	0.592	0.020	2.077	95.500
24	1.200	3.937	29.180	29.180	0.650	0.040	2.228	95.100
25	1.250	4.101	31.040	31.039	0.625	-0.230	2.014	93.100
26	1.300	4.265	16.090	16.089	0.463	-0.160	2.878	86.900
27	1.350	4.429	16.160	16.159	0.332	-0.230	2.055	107.700
28	1.400	4.593	27.080	27.078	0.407	-0.300	1.503	88.600
29	1.450	4.757	31.790	31.790	0.454	-0.080	1.428	70.800
30	1.500	4.921	26.500	26.501	0.478	0.170	1.804	75.000
31	1.550	5.085	63.900	63.901	1.054	0.210	1.649	90.400
32	1.600	5.249	42.770	42.770	1.246	0.050	2.913	89.500
33	1.650	5.413	31.290	31.301	1.308	1.730	4.179	91.900
34	1.700	5.577	26.880	26.875	1.005	-0.850	3.740	90.300
35	1.750	5.741	25.530	25.525	0.897	-0.760	3.514	92.300
36	1.800	5.905	25.590	25.588	1.052	-0.390	4.111	84.300
37	1.850	6.069	23.090	23.092	1.193	0.280	5.166	82.000
38	1.900	6.234	27.350	27.347	1.028	-0.550	3.759	71.000
39	1.950	6.398	26.540	26.540	1.561	-0.030	5.882	68.000
40	2.000	6.562	42.940	42.946	2.435	0.960	5.670	61.700
41	2.050	6.726	35.600	35.604	2.978	0.710	8.364	54.500
42	2.100	6.890	53.410	53.409	2.761	-0.140	5.170	54.700
43	2.150	7.054	17.810	17.810	1.336	0.030	7.501	54.600
44	2.200	7.218	20.970	20.985	2.175	2.360	10.365	53.200
45	2.250	7.382	40.870	40.851	2.387	-2.970	5.843	49.500
46	2.300	7.546	18.050	18.043	2.609	-1.120	14.460	48.600
47	2.350	7.710	25.380	25.377	1.826	-0.470	7.195	49.600
48	2.400	7.874	27.040	27.040	1.832	-0.020	6.775	49.500
49	2.450	8.038	181.250	181.253	2.543	0.500	1.403	46.400
50	2.500	8.202	124.530	124.533	2.726	0.520	2.189	60.800
51	2.550	8.366	87.510	87.508	1.497	-0.250	1.711	64.800
52	2.600	8.530	126.720	126.714	1.239	-0.930	0.978	66.900
53	2.650	8.694	212.380	212.377	1.582	-0.410	0.745	76.800
54	2.700	8.858	103.020	103.016	2.602	-0.690	2.526	80.800
55	2.750	9.022	60.280	60.291	2.947	1.800	4.888	82.900
56	2.800	9.186	72.210	72.247	2.409	5.970	3.334	95.700
57	2.850	9.350	60.430	60.393	2.029	-5.850	3.360	95.300
58	2.900	9.514	54.590	54.535	2.068	-8.790	3.792	106.800
59	2.950	9.678	58.730	58.664	1.958	-10.570	3.338	92.200
60	3.000	9.842	59.800	59.725	1.692	-12.060	2.833	92.900
61	3.050	10.006	68.250	68.382	1.726	21.090	2.524	88.800
62	3.100	10.170	71.150	71.154	1.975	0.620	2.776	90.900
63	3.150	10.335	60.130	60.120	2.046	-1.600	3.403	74.300
64	3.200	10.499	44.250	44.226	1.661	-3.840	3.756	58.400
65	3.250	10.663	29.620	29.589	1.137	-4.900	3.843	52.500
66	3.300	10.827	37.140	37.132	0.907	-1.230	2.443	38.500
67	3.350	10.991	29.850	29.843	0.566	-1.130	1.897	32.500
68	3.400	11.155	40.330	40.325	0.840	-0.840	2.083	34.300
69	3.450	11.319	35.250	35.260	0.660	1.620	1.872	25.500
70	3.500	11.483	34.070	34.079	0.874	1.490	2.565	31.700
71	3.550	11.647	30.180	30.188	0.558	1.250	1.848	25.900
72	3.600	11.811	58.510	58.518	1.342	1.330	2.293	42.500
73	3.650	11.975	105.190	105.207	1.863	2.750	1.771	44.200
74	3.700	12.139	46.540	46.556	1.984	2.530	4.262	44.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	19.660	19.671	1.756	1.820	8.927	42.300
76	3.800	12.467	42.120	42.133	1.507	2.130	3.577	54.400
77	3.850	12.631	47.070	47.086	1.416	2.610	3.007	50.300
78	3.900	12.795	22.590	22.610	1.015	3.180	4.489	58.500
79	3.950	12.959	16.400	16.419	0.845	3.030	5.147	71.300
80	4.000	13.123	18.500	18.530	0.691	4.830	3.729	72.900
81	4.050	13.287	14.070	14.073	0.499	0.510	3.546	72.500
82	4.100	13.451	9.970	9.964	0.451	-0.990	4.526	77.900
83	4.150	13.615	12.760	12.759	0.332	-0.180	2.602	79.700
84	4.200	13.779	12.810	12.827	0.433	2.730	3.376	75.600
85	4.250	13.943	27.890	27.911	0.699	3.290	2.504	73.600
86	4.300	14.107	37.250	37.262	0.654	1.880	1.755	92.200
87	4.350	14.271	29.360	29.334	0.849	-4.120	2.894	95.800
88	4.400	14.436	20.010	19.976	0.714	-5.410	3.574	75.100
89	4.450	14.600	11.950	11.944	0.580	-1.030	4.856	90.700
90	4.500	14.764	10.480	10.479	0.457	-0.090	4.361	107.600
91	4.550	14.928	11.740	11.741	0.484	0.150	4.122	106.500
92	4.600	15.092	12.010	12.010	0.588	-0.020	4.896	124.000
93	4.650	15.256	13.010	13.002	0.722	-1.270	5.553	124.500
94	4.700	15.420	12.600	12.573	0.751	-4.280	5.973	126.900
95	4.750	15.584	11.330	11.288	0.673	-6.710	5.962	119.000
96	4.800	15.748	9.090	9.040	0.566	-8.070	6.261	114.700
97	4.850	15.912	8.690	8.633	0.420	-9.140	4.865	96.100
98	4.900	16.076	5.740	5.679	0.255	-9.790	4.490	73.700
99	4.950	16.240	3.940	3.937	0.214	-0.460	5.435	72.700
100	5.000	16.404	7.680	7.682	0.139	0.290	1.809	49.100
101	5.050	16.568	12.820	12.823	0.200	0.550	1.560	43.400
102	5.100	16.732	12.840	12.846	0.161	1.030	1.253	36.900
103	5.150	16.896	12.700	12.704	0.132	0.650	1.039	35.400
104	5.200	17.060	8.270	8.274	0.216	0.710	2.610	30.300
105	5.250	17.224	8.830	8.834	0.150	0.580	1.698	47.500
106	5.300	17.388	1.690	1.701	0.275	1.840	16.162	45.700
107	5.350	17.552	15.330	15.343	0.254	2.050	1.655	48.800
108	5.400	17.716	11.630	11.641	0.265	1.840	2.276	53.800
109	5.450	17.880	21.150	21.161	0.145	1.770	0.685	58.100
110	5.500	18.044	5.780	5.795	0.173	2.470	2.985	55.600
111	5.550	18.208	12.760	12.774	0.349	2.220	2.732	56.100
112	5.600	18.372	21.110	21.118	0.248	1.240	1.174	51.100
113	5.650	18.537	8.410	8.428	0.354	2.860	4.200	65.100
114	5.700	18.701	15.480	15.510	0.286	4.760	1.844	54.300
115	5.750	18.865	16.840	16.866	0.193	4.120	1.144	53.500
116	5.800	19.029	19.480	19.507	0.278	4.350	1.425	40.800
117	5.850	19.193	22.730	22.767	0.603	5.980	2.649	26.100
118	5.900	19.357	32.680	32.717	0.970	5.880	2.965	27.700
119	5.950	19.521	38.040	38.076	1.360	5.690	3.572	20.800
120	6.000	19.685	28.690	28.757	1.248	10.680	4.340	18.500
121	6.050	19.849	15.070	15.202	0.961	21.100	6.322	38.700
122	6.100	20.013	10.910	11.085	0.596	27.960	5.377	22.400
123	6.150	20.177	10.020	10.196	0.412	28.200	4.041	26.900
124	6.200	20.341	21.300	21.479	0.749	28.650	3.487	32.300
125	6.250	20.505	30.420	30.566	0.896	23.430	2.931	46.200
126	6.300	20.669	18.380	18.487	0.940	17.180	5.085	47.400
127	6.350	20.833	27.560	27.681	0.790	19.310	2.854	60.300
128	6.400	20.997	17.980	18.083	0.752	16.510	4.159	71.300
129	6.450	21.161	45.090	45.208	0.890	18.910	1.969	81.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	57.730	57.793	1.155	10.140	1.999	69.100
131	6.550	21.489	38.300	38.325	1.469	3.960	3.833	73.200
132	6.600	21.653	28.420	28.429	1.426	1.410	5.016	63.200
133	6.650	21.817	25.320	25.319	1.249	-0.180	4.933	69.900
134	6.700	21.981	27.910	27.913	1.465	0.450	5.248	74.100
135	6.750	22.145	76.340	76.346	2.044	1.010	2.677	87.600
136	6.800	22.309	106.560	106.566	2.961	0.920	2.779	80.800
137	6.850	22.473	128.430	128.434	3.585	0.600	2.791	83.400
138	6.900	22.638	109.380	109.380	5.364	-0.020	4.904	77.900
139	6.950	22.802	103.710	103.693	5.297	-2.780	5.108	88.300
140	7.000	22.966	83.890	83.865	4.161	-4.040	4.962	84.200
141	7.050	23.130	73.470	73.440	2.870	-4.730	3.908	82.000
142	7.100	23.294	60.360	60.329	2.620	-4.930	4.343	88.700
143	7.150	23.458	48.440	48.409	2.295	-4.910	4.741	83.400
144	7.200	23.622	39.730	39.698	2.091	-5.110	5.267	86.400
145	7.250	23.786	38.310	38.275	1.880	-5.560	4.912	94.800
146	7.300	23.950	38.310	38.267	1.423	-6.810	3.719	87.200
147	7.350	24.114	32.510	32.467	1.077	-6.890	3.317	87.400
148	7.400	24.278	33.730	33.687	0.898	-6.820	2.666	94.600
149	7.450	24.442	22.690	22.659	0.858	-4.970	3.787	84.400
150	7.500	24.606	24.390	24.361	0.644	-4.630	2.644	71.300
151	7.550	24.770	38.400	38.373	0.579	-4.380	1.509	71.500
152	7.600	24.934	55.910	55.885	0.853	-3.990	1.526	56.800
153	7.650	25.098	42.620	42.607	1.131	-2.150	2.655	47.000
154	7.700	25.262	47.010	47.002	1.683	-1.340	3.581	40.100
155	7.750	25.426	108.690	108.682	2.112	-1.250	1.943	27.900
156	7.800	25.590	66.440	66.432	2.040	-1.250	3.071	16.800
157	7.850	25.754	126.940	126.930	2.239	-1.530	1.764	16.700
158	7.900	25.918	65.150	65.146	1.878	-0.650	2.883	18.500
159	7.950	26.082	28.960	28.959	1.533	-0.120	5.294	14.300
160	8.000	26.246	29.430	29.425	0.875	-0.860	2.974	21.800
161	8.050	26.410	20.480	20.472	0.792	-1.270	3.869	21.400
162	8.100	26.574	17.400	17.392	0.730	-1.360	4.197	24.400
163	8.150	26.739	35.180	35.171	0.941	-1.500	2.676	28.500
164	8.200	26.903	28.200	28.191	0.848	-1.480	3.008	38.400
165	8.250	27.067	33.810	33.802	0.778	-1.360	2.302	47.200
166	8.300	27.231	54.660	54.652	0.588	-1.300	1.076	43.900
167	8.350	27.395	74.640	74.634	1.653	-0.920	2.215	36.200
168	8.400	27.559	69.390	69.383	2.274	-1.070	3.277	32.700
169	8.450	27.723	42.630	42.635	2.120	0.760	4.972	34.500
170	8.500	27.887	31.200	31.204	1.763	0.680	5.650	29.300
171	8.550	28.051	46.960	46.968	1.795	1.330	3.822	28.700
172	8.600	28.215	51.010	51.020	1.767	1.650	3.463	33.600
173	8.650	28.379	58.610	58.620	2.474	1.620	4.220	38.500
174	8.700	28.543	83.010	83.019	3.150	1.390	3.794	27.800
175	8.750	28.707	65.500	65.509	1.664	1.520	2.540	25.500
176	8.800	28.871	71.060	71.069	0.583	1.380	0.820	25.200
177	8.850	29.035	52.080	52.094	1.512	2.220	2.902	18.900
178	8.900	29.199	80.360	80.369	1.094	1.480	1.361	23.400
179	8.950	29.363	54.850	54.861	1.681	1.760	3.064	22.200
180	9.000	29.527	41.280	41.288	1.707	1.340	4.134	23.600
181	9.050	29.691	22.030	22.033	1.521	0.500	6.903	36.400
182	9.100	29.855	27.670	27.676	0.759	1.040	2.742	40.000
183	9.150	30.019	35.540	35.543	0.616	0.480	1.733	39.400
184	9.200	30.183	30.430	30.437	0.433	1.140	1.423	38.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	31.920	31.925	0.655	0.840	2.052	37.800
186	9.300	30.511	52.510	52.513	0.644	0.550	1.226	33.800
187	9.350	30.675	50.970	50.975	1.045	0.740	2.050	27.000
188	9.400	30.840	29.000	29.004	1.074	0.690	3.703	21.300
189	9.450	31.004	16.290	16.293	0.992	0.510	6.088	28.800
190	9.500	31.168	27.580	27.588	0.755	1.320	2.737	29.200
191	9.550	31.332	19.920	19.933	0.681	2.050	3.416	42.900
192	9.600	31.496	15.070	15.087	0.579	2.670	3.838	45.700
193	9.650	31.660	11.880	11.900	0.395	3.230	3.319	50.500
194	9.700	31.824	17.600	17.620	0.832	3.230	4.722	45.700
195	9.750	31.988	41.730	41.748	1.091	2.820	2.613	31.400
196	9.800	32.152	32.670	32.686	1.195	2.570	3.656	53.400
197	9.850	32.316	25.590	25.612	1.325	3.450	5.173	43.100
198	9.900	32.480	31.610	31.661	1.096	8.140	3.462	27.700
199	9.950	32.644	23.860	23.923	1.119	10.140	4.677	34.300
200	10.000	32.808	71.260	71.300	0.959	6.380	1.345	45.900
201	10.050	32.972	101.390	101.425	0.814	5.680	0.803	42.200
202	10.100	33.136	64.850	64.874	0.651	3.900	1.003	63.800
203	10.150	33.300	32.690	32.710	1.001	3.220	3.060	61.600
204	10.200	33.464	21.820	21.841	0.762	3.300	3.489	65.300
205	10.250	33.628	61.670	61.687	1.238	2.780	2.007	57.900
206	10.300	33.792	47.150	47.164	2.962	2.210	6.280	37.900
207	10.350	33.956	163.280	163.295	3.427	2.350	2.099	41.700
208	10.400	34.120	110.100	110.119	3.205	3.110	2.910	39.500
209	10.450	34.284	52.320	52.329	2.910	1.500	5.561	28.400
210	10.500	34.448	42.680	42.694	2.050	2.230	4.802	23.600
211	10.550	34.612	48.680	48.692	1.221	1.900	2.508	22.700
212	10.600	34.776	122.840	122.852	1.457	1.950	1.186	25.300
213	10.650	34.941	69.730	69.743	1.916	2.160	2.747	28.100
214	10.700	35.105	53.370	53.381	2.401	1.690	4.498	32.100
215	10.750	35.269	67.820	67.829	1.718	1.420	2.533	33.800
216	10.800	35.433	78.440	78.448	1.306	1.280	1.665	29.500
217	10.850	35.597	71.750	71.758	2.013	1.250	2.805	30.400
218	10.900	35.761	81.420	81.428	2.119	1.270	2.602	22.500
219	10.950	35.925	72.210	72.221	2.171	1.820	3.006	20.400
220	11.000	36.089	64.530	64.539	1.763	1.490	2.732	30.000
221	11.050	36.253	54.830	54.840	1.818	1.590	3.315	23.800
222	11.100	36.417	44.960	44.968	1.527	1.360	3.396	33.400
223	11.150	36.581	43.150	43.158	1.359	1.260	3.149	32.400
224	11.200	36.745	69.230	69.235	1.196	0.840	1.727	31.700
225	11.250	36.909	47.610	47.618	1.188	1.290	2.495	33.700
226	11.300	37.073	42.920	42.928	1.019	1.240	2.374	20.500
227	11.350	37.237	39.250	39.257	0.890	1.170	2.267	28.400
228	11.400	37.401	37.570	37.579	1.200	1.520	3.193	24.900
229	11.450	37.565	56.200	56.207	1.651	1.180	2.937	19.200
230	11.500	37.729	66.970	66.978	1.819	1.260	2.716	29.400
231	11.550	37.893	56.830	56.841	2.142	1.770	3.768	22.500
232	11.600	38.057	63.230	63.240	2.692	1.540	4.257	21.200
233	11.650	38.221	74.750	74.759	2.599	1.480	3.476	36.300
234	11.700	38.385	47.070	47.081	1.998	1.770	4.244	42.600
235	11.750	38.549	28.690	28.702	1.591	1.970	5.543	39.500
236	11.800	38.713	31.390	31.402	1.134	1.990	3.611	33.900
237	11.850	38.877	45.320	45.334	0.996	2.200	2.197	26.500
238	11.900	39.042	63.820	63.832	1.034	2.000	1.620	22.000
239	11.950	39.206	42.090	42.101	1.995	1.820	4.739	21.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	37.750	37.760	2.478	1.550	6.563	10.600
241	12.050	39.534	177.580	177.590	3.543	1.660	1.995	17.700
242	12.100	39.698	86.980	86.998	3.927	2.920	4.514	17.200
243	12.150	39.862	42.140	42.154	3.110	2.260	7.378	21.700
244	12.200	40.026	39.980	39.999	2.503	3.080	6.258	20.900
245	12.250	40.190	24.280	24.303	1.918	3.750	7.892	20.900
246	12.300	40.354	61.920	61.947	2.589	4.350	4.179	21.500
247	12.350	40.518	65.110	65.138	2.217	4.540	3.404	26.500
248	12.400	40.682	36.290	36.320	1.754	4.760	4.829	29.800
249	12.450	40.846	52.840	52.877	0.949	5.870	1.795	36.400
250	12.500	41.010	62.850	62.885	0.602	5.550	0.957	45.900
251	12.550	41.174	64.310	64.343	0.546	5.290	0.849	50.800
252	12.600	41.338	64.470	64.503	0.568	5.210	0.881	59.900
253	12.650	41.502	65.350	65.381	0.631	5.030	0.965	52.100
254	12.700	41.666	63.080	63.111	0.637	5.000	1.009	47.900
255	12.750	41.830	58.390	58.420	0.671	4.790	1.149	44.300
256	12.800	41.994	59.440	59.470	0.992	4.800	1.668	56.500
257	12.850	42.158	59.480	59.509	1.066	4.660	1.791	46.800
258	12.900	42.322	58.530	58.560	1.395	4.780	2.382	51.100
259	12.950	42.486	54.950	54.981	1.322	4.990	2.404	54.800
260	13.000	42.650	38.000	38.029	1.673	4.600	4.399	39.000
261	13.050	42.814	39.470	39.498	1.535	4.510	3.886	42.600
262	13.100	42.978	52.540	52.567	1.140	4.280	2.169	22.200
263	13.150	43.143	74.410	74.438	1.190	4.470	1.599	27.400
264	13.200	43.307	102.540	102.569	1.955	4.680	1.906	19.900
265	13.250	43.471	69.960	69.991	2.610	4.990	3.729	22.200
266	13.300	43.635	53.850	53.882	2.226	5.110	4.131	25.800
267	13.350	43.799	28.480	28.510	1.213	4.820	4.255	25.600
268	13.400	43.963	19.520	19.548	0.963	4.550	4.926	35.500
269	13.450	44.127	20.030	20.061	1.068	5.040	5.324	47.500
270	13.500	44.291	24.360	24.392	1.194	5.120	4.895	51.000
271	13.550	44.455	25.630	25.660	1.163	4.850	4.532	53.000
272	13.600	44.619	21.610	21.640	1.063	4.740	4.912	64.700
273	13.650	44.783	20.480	20.511	0.646	4.940	3.150	67.900
274	13.700	44.947	27.960	27.990	0.740	4.760	2.644	65.500
275	13.750	45.111	19.520	19.547	0.720	4.340	3.683	56.000
276	13.800	45.275	23.770	23.798	0.624	4.550	2.622	42.500
277	13.850	45.439	34.450	34.483	1.300	5.310	3.770	48.400
278	13.900	45.603	41.650	41.685	1.514	5.650	3.632	38.200
279	13.950	45.767	22.900	22.934	1.432	5.420	6.244	32.800
280	14.000	45.931	19.420	19.456	0.906	5.790	4.657	31.700
281	14.050	46.095	25.710	25.748	1.075	6.010	4.175	25.200
282	14.100	46.259	55.140	55.180	1.417	6.370	2.568	30.400
283	14.150	46.423	41.230	41.269	1.607	6.210	3.894	29.400
284	14.200	46.587	42.920	42.958	1.754	6.080	4.083	39.000
285	14.250	46.751	34.310	34.351	1.265	6.560	3.683	31.900
286	14.300	46.915	42.190	42.227	1.449	5.860	3.431	43.700
287	14.350	47.079	53.530	53.565	1.183	5.590	2.209	35.800
288	14.400	47.244	26.910	26.948	1.191	6.140	4.420	30.500
289	14.450	47.408	27.920	27.960	1.021	6.420	3.652	31.100
290	14.500	47.572	27.040	27.082	1.769	6.660	6.532	37.600
291	14.550	47.736	59.460	59.504	1.826	6.990	3.069	30.200
292	14.600	47.900	123.070	123.116	3.181	7.430	2.584	22.700
293	14.650	48.064	147.600	147.643	4.525	6.840	3.065	29.500
294	14.700	48.228	77.310	77.359	4.291	7.860	5.547	34.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	41.190	41.242	2.948	8.360	7.148	32.500
296	14.800	48.556	30.040	30.095	1.524	8.850	5.064	28.300
297	14.850	48.720	25.560	25.617	1.484	9.100	5.793	22.900
298	14.900	48.884	44.650	44.707	1.397	9.180	3.125	22.400
299	14.950	49.048	41.100	41.155	1.426	8.810	3.465	17.000
300	15.000	49.212	53.120	53.174	1.647	8.600	3.097	19.400
301	15.050	49.376	60.950	61.002	1.915	8.310	3.139	21.100
302	15.100	49.540	67.470	67.521	2.605	8.240	3.858	19.200
303	15.150	49.704	54.770	54.821	2.684	8.200	4.896	0.000
304	15.200	49.868	50.770	50.826	2.591	9.030	5.098	0.000
305	15.250	50.032	54.450	54.508	2.522	9.280	4.627	0.000
306	15.300	50.196	51.150	51.205	2.373	8.890	4.634	0.000
307	15.350	50.360	58.810	58.866	1.829	8.950	3.107	0.000
308	15.400	50.524	120.020	120.076	1.527	8.980	1.272	0.000
309	15.450	50.688	154.990	155.044	1.606	8.610	1.036	0.000
310	15.500	50.852	183.900	183.954	1.957	8.680	1.064	0.000
311	15.550	51.016	203.330	203.384	2.464	8.730	1.211	0.000
312	15.600	51.180	213.770	213.825	2.962	8.870	1.385	0.000
313	15.650	51.345	223.380	223.435	3.355	8.880	1.502	0.000
314	15.700	51.509	231.440	231.497	3.648	9.070	1.576	0.000
315	15.750	51.673	243.370	243.428	3.890	9.260	1.598	0.000
316	15.800	51.837	258.520	258.578	4.145	9.370	1.603	0.000
317	15.850	52.001	281.130	281.190	0.000	9.540	0.000	0.000
318	15.900	52.165	298.580	298.641	0.000	9.830	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221587
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-11-3
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-20-2013
CPT Time:	14:07
CPT File:	13-53075_GP11-3.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722226.346
Northing / Lat:	4294337.804
Elevation:	145.159
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
1	0.050	0.164	13.920	13.926	0.006	0.910	0.043	31.400
2	0.100	0.328	37.020	37.024	0.015	0.700	0.041	37.900
3	0.150	0.492	42.550	42.552	0.016	0.390	0.038	37.000
4	0.200	0.656	48.640	48.644	0.014	0.600	0.029	42.600
5	0.250	0.820	64.700	64.705	0.266	0.740	0.411	54.800
6	0.300	0.984	36.820	36.833	0.501	2.040	1.360	67.500
7	0.350	1.148	24.070	24.079	0.575	1.490	2.388	73.900
8	0.400	1.312	26.610	26.619	0.529	1.430	1.987	85.200
9	0.450	1.476	31.350	31.347	0.594	-0.420	1.895	84.600
10	0.500	1.640	34.740	34.726	0.799	-2.300	2.301	89.600
11	0.550	1.804	51.450	51.440	1.179	-1.610	2.292	78.500
12	0.600	1.968	96.720	96.721	1.709	0.110	1.767	99.300
13	0.650	2.133	112.080	112.079	2.093	-0.130	1.867	88.800
14	0.700	2.297	113.620	113.618	2.459	-0.290	2.164	92.500
15	0.750	2.461	123.670	123.668	2.658	-0.310	2.149	94.700
16	0.800	2.625	118.440	118.438	3.306	-0.280	2.791	96.200
17	0.850	2.789	114.750	114.747	3.607	-0.530	3.143	82.400
18	0.900	2.953	97.220	97.217	3.461	-0.470	3.560	91.900
19	0.950	3.117	95.200	95.195	3.659	-0.850	3.844	111.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	81.330	81.325	3.276	-0.780	4.028	99.400
21	1.050	3.445	66.520	66.514	2.931	-1.040	4.407	100.800
22	1.100	3.609	52.520	52.512	2.362	-1.310	4.498	102.500
23	1.150	3.773	38.550	38.542	2.136	-1.340	5.542	92.000
24	1.200	3.937	38.540	38.532	1.998	-1.350	5.185	104.400
25	1.250	4.101	57.280	57.278	1.929	-0.360	3.368	91.100
26	1.300	4.265	52.010	52.008	1.336	-0.320	2.569	91.000
27	1.350	4.429	77.270	77.267	1.295	-0.540	1.676	90.100
28	1.400	4.593	56.320	56.316	1.423	-0.650	2.527	93.900
29	1.450	4.757	43.160	43.156	1.594	-0.680	3.694	91.500
30	1.500	4.921	33.820	33.819	1.601	-0.170	4.734	100.600
31	1.550	5.085	36.670	36.670	1.754	-0.040	4.783	83.000
32	1.600	5.249	41.560	41.534	1.958	-4.190	4.714	80.900
33	1.650	5.413	46.840	46.825	1.395	-2.430	2.979	82.800
34	1.700	5.577	57.200	57.194	0.676	-0.890	1.182	93.200
35	1.750	5.741	60.670	60.674	0.746	0.600	1.230	96.300
36	1.800	5.905	61.290	61.293	1.545	0.480	2.521	96.500
37	1.850	6.069	36.690	36.693	1.748	0.420	4.764	114.300
38	1.900	6.234	22.870	22.871	1.464	0.200	6.401	100.700
39	1.950	6.398	17.110	17.099	1.133	-1.700	6.626	103.700
40	2.000	6.562	14.910	14.882	0.796	-4.410	5.349	102.800
41	2.050	6.726	13.360	13.349	0.572	-1.760	4.285	90.800
42	2.100	6.890	12.530	12.525	0.629	-0.800	5.022	83.500
43	2.150	7.054	12.990	12.985	1.202	-0.820	9.257	92.400
44	2.200	7.218	29.940	29.936	1.238	-0.570	4.135	84.400
45	2.250	7.382	18.350	18.346	1.202	-0.570	6.552	90.200
46	2.300	7.546	21.540	21.538	0.796	-0.360	3.696	103.600
47	2.350	7.710	22.850	22.851	0.842	0.140	3.685	84.400
48	2.400	7.874	21.100	21.099	0.890	-0.210	4.218	97.000
49	2.450	8.038	30.950	30.946	1.034	-0.590	3.341	98.500
50	2.500	8.202	37.850	37.846	1.000	-0.680	2.642	87.700
51	2.550	8.366	39.570	39.563	1.382	-1.110	3.493	100.000
52	2.600	8.530	57.850	57.828	1.676	-3.560	2.898	93.600
53	2.650	8.694	63.350	63.316	1.875	-5.490	2.961	72.500
54	2.700	8.858	65.570	65.527	1.821	-6.810	2.779	68.600
55	2.750	9.022	57.050	57.037	1.274	-2.040	2.234	55.500
56	2.800	9.186	68.520	68.518	1.426	-0.330	2.081	51.000
57	2.850	9.350	74.240	74.241	1.069	0.240	1.440	48.300
58	2.900	9.514	49.490	49.488	0.814	-0.270	1.645	43.200
59	2.950	9.678	31.250	31.247	0.167	-0.530	0.534	46.200
60	3.000	9.842	19.340	19.337	0.086	-0.530	0.445	46.500
61	3.050	10.006	28.540	28.537	0.067	-0.420	0.235	46.600
62	3.100	10.170	15.500	15.497	0.031	-0.440	0.200	46.300
63	3.150	10.335	31.890	31.890	0.008	0.010	0.025	57.400
64	3.200	10.499	35.620	35.623	0.026	0.450	0.073	64.800
65	3.250	10.663	30.880	30.885	0.023	0.780	0.074	63.300
66	3.300	10.827	36.910	36.912	0.111	0.390	0.301	51.600
67	3.350	10.991	37.290	37.292	0.080	0.310	0.215	43.000
68	3.400	11.155	41.450	41.454	0.254	0.720	0.613	55.400
69	3.450	11.319	36.520	36.523	0.013	0.480	0.036	71.300
70	3.500	11.483	14.140	14.144	0.106	0.720	0.749	71.500
71	3.550	11.647	13.030	13.033	0.040	0.480	0.307	66.900
72	3.600	11.811	5.720	5.716	0.077	-0.580	1.347	46.000
73	3.650	11.975	2.010	2.006	0.016	-0.640	0.798	51.500
74	3.700	12.139	2.250	2.248	0.018	-0.350	0.801	35.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	51.250	51.258	1.029	1.250	2.007	35.700
76	3.800	12.467	33.050	33.051	1.409	0.130	4.263	24.800
77	3.850	12.631	27.560	27.563	1.457	0.520	5.286	45.100
78	3.900	12.795	15.600	15.611	0.576	1.750	3.690	48.600
79	3.950	12.959	14.620	14.680	0.596	9.680	4.060	55.100
80	4.000	13.123	19.750	19.788	0.679	6.160	3.431	63.500
81	4.050	13.287	66.720	66.724	1.097	0.660	1.644	70.500
82	4.100	13.451	84.530	84.514	1.286	-2.540	1.522	51.200
83	4.150	13.615	64.040	64.014	1.052	-4.160	1.643	56.100
84	4.200	13.779	67.240	67.204	1.171	-5.790	1.742	37.400
85	4.250	13.943	120.160	120.156	0.946	-0.660	0.787	37.500
86	4.300	14.107	86.210	86.213	1.945	0.430	2.256	35.000
87	4.350	14.271	69.200	69.201	1.549	0.210	2.238	25.500
88	4.400	14.436	23.980	23.988	1.368	1.240	5.703	26.100
89	4.450	14.600	76.840	76.858	1.307	2.860	1.701	22.200
90	4.500	14.764	33.440	33.454	1.111	2.230	3.321	39.100
91	4.550	14.928	23.570	23.589	0.872	3.020	3.697	41.300
92	4.600	15.092	28.040	28.045	0.848	0.730	3.024	30.700
93	4.650	15.256	25.840	25.819	0.636	-3.310	2.463	31.700
94	4.700	15.420	40.680	40.655	0.938	-4.060	2.307	30.000
95	4.750	15.584	28.890	28.881	0.880	-1.390	3.047	22.100
96	4.800	15.748	19.860	19.857	0.700	-0.410	3.525	33.000
97	4.850	15.912	38.460	38.454	0.799	-0.920	2.078	39.900
98	4.900	16.076	22.160	22.158	0.742	-0.250	3.349	50.500
99	4.950	16.240	9.270	9.267	0.835	-0.530	9.011	47.800
100	5.000	16.404	14.200	14.199	0.984	-0.090	6.930	48.200
101	5.050	16.568	21.720	21.725	1.784	0.820	8.212	50.000
102	5.100	16.732	125.720	125.719	1.104	-0.140	0.878	43.300
103	5.150	16.896	190.520	190.517	1.502	-0.420	0.788	37.000
104	5.200	17.060	129.720	129.717	1.266	-0.550	0.976	39.400
105	5.250	17.224	89.180	89.179	1.637	-0.200	1.836	34.700
106	5.300	17.388	68.980	68.979	1.375	-0.210	1.993	45.300
107	5.350	17.552	74.260	74.262	0.945	0.400	1.273	59.600
108	5.400	17.716	61.880	61.885	0.803	0.880	1.298	59.600
109	5.450	17.880	46.230	46.233	0.964	0.520	2.085	54.600
110	5.500	18.044	38.990	38.986	0.821	-0.610	2.106	58.800
111	5.550	18.208	27.080	27.076	0.903	-0.630	3.335	59.700
112	5.600	18.372	36.350	36.414	0.798	10.290	2.191	69.300
113	5.650	18.537	34.880	34.927	0.698	7.540	1.998	75.500
114	5.700	18.701	44.050	44.087	0.682	5.990	1.547	81.400
115	5.750	18.865	44.380	44.415	0.798	5.630	1.797	65.600
116	5.800	19.029	36.790	36.820	1.085	4.840	2.947	70.600
117	5.850	19.193	30.150	30.169	1.149	3.010	3.809	60.800
118	5.900	19.357	41.340	41.327	0.897	-2.030	2.170	54.500
119	5.950	19.521	13.870	13.858	1.206	-1.930	8.703	33.000
120	6.000	19.685	14.980	14.979	1.404	-0.240	9.373	23.000
121	6.050	19.849	267.660	267.666	6.737	0.920	2.517	20.100
122	6.100	20.013	66.020	66.021	6.343	0.220	9.607	14.400
123	6.150	20.177	31.530	31.539	5.108	1.450	16.196	20.600
124	6.200	20.341	51.220	51.231	3.044	1.750	5.942	18.500
125	6.250	20.505	69.490	69.531	3.055	6.520	4.394	13.300
126	6.300	20.669	110.640	110.671	2.299	4.900	2.077	11.100
127	6.350	20.833	84.510	84.529	1.846	3.060	2.184	12.300
128	6.400	20.997	27.830	27.841	1.048	1.730	3.764	13.900
129	6.450	21.161	16.130	16.139	0.017	1.460	0.105	12.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	1.390	1.399	0.016	1.470	1.144	16.200
131	6.550	21.489	1.130	1.142	0.319	1.990	27.923	16.600
132	6.600	21.653	21.110	21.127	1.992	2.680	9.429	31.500
133	6.650	21.817	116.230	116.250	2.241	3.180	1.928	34.400
134	6.700	21.981	18.600	18.631	2.069	4.950	11.105	40.300
135	6.750	22.145	29.390	29.384	1.124	-1.030	3.825	36.700
136	6.800	22.309	29.480	29.448	1.075	-5.200	3.651	31.400
137	6.850	22.473	17.140	17.102	0.930	-6.070	5.438	25.900
138	6.900	22.638	33.160	33.143	0.999	-2.660	3.014	18.800
139	6.950	22.802	16.410	16.409	0.597	-0.170	3.638	21.000
140	7.000	22.966	17.230	17.233	0.500	0.500	2.901	14.900
141	7.050	23.130	12.430	12.435	0.347	0.740	2.791	10.700
142	7.100	23.294	6.180	6.185	0.335	0.830	5.416	16.200
143	7.150	23.458	9.050	9.055	0.363	0.840	4.009	15.200
144	7.200	23.622	9.600	9.604	0.688	0.580	7.164	13.600
145	7.250	23.786	25.930	25.932	0.684	0.290	2.638	14.400
146	7.300	23.950	16.540	16.546	0.749	0.890	4.527	10.300
147	7.350	24.114	7.550	7.563	0.558	2.090	7.378	7.900
148	7.400	24.278	22.070	22.089	0.801	2.990	3.626	8.700
149	7.450	24.442	20.140	20.154	0.785	2.300	3.895	9.400
150	7.500	24.606	19.040	19.048	0.825	1.270	4.331	9.300
151	7.550	24.770	28.060	28.065	0.855	0.830	3.046	9.200
152	7.600	24.934	41.740	41.745	1.126	0.750	2.697	8.900
153	7.650	25.098	56.650	56.653	0.676	0.410	1.193	9.200
154	7.700	25.262	103.240	103.244	0.876	0.690	0.848	9.200
155	7.750	25.426	190.230	190.235	1.021	0.860	0.537	13.300
156	7.800	25.590	78.210	78.212	0.960	0.260	1.227	15.200
157	7.850	25.754	38.890	38.891	1.166	0.110	2.998	18.300
158	7.900	25.918	76.400	76.405	1.081	0.880	1.415	20.400
159	7.950	26.082	92.080	92.087	1.515	1.160	1.645	21.200
160	8.000	26.246	79.980	79.990	1.708	1.610	2.135	24.200
161	8.050	26.410	41.520	41.530	1.540	1.560	3.708	23.700
162	8.100	26.574	15.270	15.281	1.245	1.730	8.147	26.300
163	8.150	26.739	16.070	16.087	1.263	2.680	7.851	26.700
164	8.200	26.903	56.380	56.400	0.853	3.260	1.512	32.700
165	8.250	27.067	36.240	36.256	0.778	2.490	2.146	34.600
166	8.300	27.231	31.370	31.389	0.494	3.050	1.574	37.900
167	8.350	27.395	24.940	24.955	0.175	2.430	0.701	56.500
168	8.400	27.559	15.940	15.965	0.305	4.000	1.910	51.700
169	8.450	27.723	20.850	20.880	0.290	4.800	1.389	63.600
170	8.500	27.887	34.250	34.287	0.412	5.940	1.202	72.200
171	8.550	28.051	31.900	31.901	0.592	0.160	1.856	75.000
172	8.600	28.215	28.910	28.898	1.391	-1.940	4.814	77.500
173	8.650	28.379	32.330	32.310	1.915	-3.190	5.927	81.900
174	8.700	28.543	83.060	83.019	1.873	-6.490	2.256	71.300
175	8.750	28.707	49.100	49.089	2.411	-1.700	4.911	76.000
176	8.800	28.871	40.110	40.109	2.103	-0.170	5.243	57.100
177	8.850	29.035	27.550	27.550	1.013	-0.010	3.677	50.300
178	8.900	29.199	23.610	23.612	1.141	0.400	4.832	50.600
179	8.950	29.363	66.750	66.758	1.379	1.290	2.066	54.500
180	9.000	29.527	25.640	25.648	1.399	1.350	5.455	70.100
181	9.050	29.691	23.800	23.812	1.136	1.860	4.771	74.800
182	9.100	29.855	20.280	20.295	0.749	2.410	3.691	80.300
183	9.150	30.019	26.650	26.665	0.520	2.400	1.950	91.200
184	9.200	30.183	30.800	30.816	0.640	2.490	2.077	86.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	44.520	44.539	0.855	3.070	1.920	83.600
186	9.300	30.511	43.620	43.635	0.995	2.380	2.280	85.200
187	9.350	30.675	34.360	34.373	0.885	2.140	2.575	84.000
188	9.400	30.840	28.890	28.902	0.726	1.900	2.512	91.500
189	9.450	31.004	24.140	24.150	0.673	1.640	2.787	84.700
190	9.500	31.168	28.960	28.965	1.323	0.790	4.568	92.100
191	9.550	31.332	73.060	73.035	1.440	-3.950	1.972	76.900
192	9.600	31.496	38.200	38.163	1.617	-5.930	4.237	89.400
193	9.650	31.660	43.860	43.822	1.278	-6.020	2.916	96.400
194	9.700	31.824	45.480	45.443	1.066	-6.000	2.346	101.900
195	9.750	31.988	36.990	36.952	1.000	-6.140	2.706	91.200
196	9.800	32.152	24.830	24.791	0.790	-6.250	3.187	93.700
197	9.850	32.316	20.660	20.622	0.624	-6.130	3.026	92.900
198	9.900	32.480	24.310	24.273	0.517	-5.900	2.130	76.100
199	9.950	32.644	29.510	29.475	0.635	-5.640	2.154	79.900
200	10.000	32.808	31.310	31.276	0.763	-5.420	2.440	75.400
201	10.050	32.972	30.230	30.204	0.904	-4.100	2.993	73.600
202	10.100	33.136	31.830	31.818	0.708	-1.940	2.225	60.500
203	10.150	33.300	49.340	49.331	0.847	-1.480	1.717	64.200
204	10.200	33.464	56.200	56.189	0.942	-1.820	1.676	60.700
205	10.250	33.628	52.210	52.201	1.200	-1.430	2.299	71.000
206	10.300	33.792	48.910	48.907	1.377	-0.470	2.816	61.100
207	10.350	33.956	47.950	47.951	1.422	0.140	2.966	54.500
208	10.400	34.120	57.210	57.226	1.386	2.620	2.422	57.300
209	10.450	34.284	48.430	48.454	2.130	3.790	4.396	48.600
210	10.500	34.448	53.530	53.550	1.049	3.240	1.959	49.300
211	10.550	34.612	87.160	87.173	1.038	2.050	1.191	49.100
212	10.600	34.776	57.660	57.650	0.742	-1.620	1.287	58.200
213	10.650	34.941	25.710	25.700	0.506	-1.650	1.969	63.900
214	10.700	35.105	23.060	23.058	0.503	-0.370	2.181	62.400
215	10.750	35.269	20.790	20.789	0.463	-0.100	2.227	66.300
216	10.800	35.433	17.470	17.470	0.542	0.000	3.102	67.000
217	10.850	35.597	9.720	9.720	0.558	-0.070	5.741	73.400
218	10.900	35.761	15.560	15.561	0.657	0.190	4.222	58.500
219	10.950	35.925	44.510	44.560	0.994	8.070	2.231	56.900
220	11.000	36.089	96.070	96.106	1.454	5.690	1.513	49.200
221	11.050	36.253	43.660	43.687	1.663	4.340	3.807	52.100
222	11.100	36.417	28.490	28.516	1.260	4.100	4.419	48.100
223	11.150	36.581	17.090	17.114	0.565	3.780	3.301	41.200
224	11.200	36.745	4.300	4.317	0.457	2.780	10.585	46.000
225	11.250	36.909	21.950	21.972	0.490	3.550	2.230	40.600
226	11.300	37.073	30.750	30.775	0.816	3.970	2.652	27.900
227	11.350	37.237	34.350	34.372	1.168	3.560	3.398	29.500
228	11.400	37.401	46.770	46.789	1.841	3.000	3.935	24.500
229	11.450	37.565	54.580	54.600	2.729	3.210	4.998	25.400
230	11.500	37.729	129.590	129.609	2.904	3.030	2.241	20.000
231	11.550	37.893	157.240	157.257	3.786	2.730	2.408	23.500
232	11.600	38.057	166.630	166.643	3.051	2.060	1.831	27.000
233	11.650	38.221	117.050	117.063	3.410	2.080	2.913	22.400
234	11.700	38.385	82.250	82.266	2.656	2.570	3.229	37.800
235	11.750	38.549	42.340	42.373	1.792	5.240	4.229	49.100
236	11.800	38.713	26.030	26.066	1.113	5.690	4.270	48.200
237	11.850	38.877	18.570	18.607	0.447	5.930	2.402	44.900
238	11.900	39.042	38.000	38.038	0.407	6.050	1.070	45.700
239	11.950	39.206	31.020	31.055	0.565	5.540	1.819	37.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	33.370	33.403	0.802	5.320	2.401	28.300
241	12.050	39.534	56.960	56.992	0.902	5.130	1.583	23.400
242	12.100	39.698	68.050	68.082	1.266	5.110	1.860	16.600
243	12.150	39.862	44.920	44.953	1.703	5.270	3.788	23.200
244	12.200	40.026	40.560	40.592	2.052	5.170	5.055	19.600
245	12.250	40.190	35.120	35.151	1.644	5.030	4.677	24.900
246	12.300	40.354	52.120	52.155	1.900	5.630	3.643	19.900
247	12.350	40.518	55.900	55.935	1.688	5.560	3.018	22.500
248	12.400	40.682	23.690	23.720	1.831	4.770	7.719	18.300
249	12.450	40.846	20.160	20.186	1.131	4.130	5.603	17.500
250	12.500	41.010	27.590	27.608	0.795	2.940	2.880	14.200
251	12.550	41.174	59.470	59.494	1.343	3.880	2.257	12.000
252	12.600	41.338	62.300	62.329	1.958	4.590	3.141	9.300
253	12.650	41.502	41.240	41.261	2.122	3.440	5.143	13.500
254	12.700	41.666	42.560	42.585	1.792	4.000	4.208	13.500
255	12.750	41.830	79.620	79.642	1.920	3.600	2.411	11.000
256	12.800	41.994	91.790	91.812	1.769	3.530	1.927	18.800
257	12.850	42.158	87.280	87.303	1.841	3.650	2.109	19.400
258	12.900	42.322	54.680	54.701	1.574	3.370	2.877	21.000
259	12.950	42.486	21.300	21.321	1.102	3.360	5.169	24.400
260	13.000	42.650	13.180	13.199	0.709	3.010	5.372	12.400
261	13.050	42.814	10.250	10.268	0.652	2.900	6.350	17.000
262	13.100	42.978	6.820	6.835	0.316	2.440	4.623	16.500
263	13.150	43.143	18.870	18.884	0.431	2.210	2.282	16.200
264	13.200	43.307	27.550	27.565	0.741	2.380	2.688	12.000
265	13.250	43.471	22.950	22.966	0.735	2.550	3.200	13.600
266	13.300	43.635	41.390	41.406	1.014	2.530	2.449	16.400
267	13.350	43.799	44.960	44.977	1.154	2.770	2.566	19.300
268	13.400	43.963	34.650	34.669	1.343	3.110	3.874	28.100
269	13.450	44.127	24.540	24.559	0.912	3.120	3.713	28.600
270	13.500	44.291	9.210	9.228	0.661	2.950	7.163	33.200
271	13.550	44.455	28.090	28.108	0.832	2.920	2.960	27.900
272	13.600	44.619	69.870	69.889	1.249	3.060	1.787	29.100
273	13.650	44.783	51.060	51.079	1.559	3.060	3.052	35.700
274	13.700	44.947	24.140	24.160	1.449	3.280	5.997	35.900
275	13.750	45.111	15.780	15.801	1.410	3.410	8.923	37.400
276	13.800	45.275	17.430	17.452	0.622	3.580	3.564	35.100
277	13.850	45.439	27.380	27.403	0.651	3.710	2.376	24.800
278	13.900	45.603	80.490	80.516	1.293	4.100	1.606	26.700
279	13.950	45.767	81.340	81.370	1.904	4.770	2.340	29.600
280	14.000	45.931	33.040	33.073	1.948	5.260	5.890	28.000
281	14.050	46.095	26.860	26.888	1.239	4.530	4.608	27.500
282	14.100	46.259	21.800	21.828	0.459	4.410	2.103	28.600
283	14.150	46.423	27.100	27.126	0.347	4.110	1.279	18.000
284	14.200	46.587	39.050	39.074	0.654	3.890	1.674	18.200
285	14.250	46.751	31.920	31.944	0.482	3.840	1.509	28.700
286	14.300	46.915	11.570	11.595	0.529	3.930	4.562	20.400
287	14.350	47.079	7.190	7.209	0.365	3.080	5.063	29.800
288	14.400	47.244	19.590	19.610	0.738	3.200	3.763	34.100
289	14.450	47.408	26.960	26.985	0.914	3.960	3.387	45.800
290	14.500	47.572	22.880	22.904	0.976	3.880	4.261	43.000
291	14.550	47.736	21.550	21.577	0.954	4.320	4.421	42.600
292	14.600	47.900	13.570	13.611	0.813	6.580	5.973	39.600
293	14.650	48.064	17.740	17.781	0.852	6.490	4.792	40.300
294	14.700	48.228	25.440	25.480	1.012	6.360	3.972	51.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	34.990	35.030	1.058	6.440	3.020	75.600
296	14.800	48.556	29.340	29.380	0.791	6.450	2.692	83.700
297	14.850	48.720	51.050	51.087	0.584	5.980	1.143	91.800
298	14.900	48.884	51.460	51.498	0.590	6.040	1.146	92.400
299	14.950	49.048	42.550	42.587	0.700	5.950	1.644	95.700
300	15.000	49.212	34.790	34.827	0.580	5.970	1.665	90.500
301	15.050	49.376	29.130	29.167	0.406	5.880	1.392	93.400
302	15.100	49.540	27.850	27.886	0.363	5.780	1.302	86.600
303	15.150	49.704	35.080	35.117	0.309	5.930	0.880	79.000
304	15.200	49.868	33.890	33.925	0.380	5.610	1.120	80.400
305	15.250	50.032	22.200	22.233	0.635	5.300	2.856	78.200
306	15.300	50.196	16.860	16.892	0.583	5.100	3.451	76.000
307	15.350	50.360	27.430	27.462	0.571	5.150	2.079	70.200
308	15.400	50.524	64.730	64.763	0.693	5.330	1.070	67.000
309	15.450	50.688	97.530	97.562	0.877	5.070	0.899	64.800
310	15.500	50.852	158.750	158.782	1.175	5.190	0.740	42.300
311	15.550	51.016	212.870	212.903	1.916	5.240	0.900	0.000
312	15.600	51.180	248.560	248.595	2.893	5.560	1.164	0.000
313	15.650	51.345	259.620	259.656	3.674	5.690	1.415	0.000
314	15.700	51.509	242.330	242.367	4.139	5.950	1.708	0.000
315	15.750	51.673	216.850	216.888	4.063	6.030	1.873	0.000
316	15.800	51.837	188.270	188.308	3.625	6.040	1.925	0.000
317	15.850	52.001	175.620	175.658	3.077	6.060	1.752	0.000
318	15.900	52.165	175.960	175.998	2.837	6.080	1.612	0.000
319	15.950	52.329	186.200	186.239	2.747	6.210	1.475	0.000
320	16.000	52.493	206.150	206.190	2.931	6.400	1.422	0.000
321	16.050	52.657	244.340	244.380	3.444	6.440	1.409	0.000
322	16.100	52.821	264.050	264.092	3.962	6.680	1.500	0.000
323	16.150	52.985	295.370	295.413	4.281	6.950	1.449	0.000
324	16.200	53.149	303.920	303.964	5.007	7.120	1.647	0.000
325	16.250	53.313	320.810	320.857	0.000	7.450	0.000	0.000
326	16.300	53.477	280.490	280.537	0.000	7.510	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397223662
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-11-4
Cone ID:	268:T1500F15U500
Operator:	BM/JT/YB
CPT Date:	Nov-18-2013
CPT Time:	12:36
CPT File:	13-53075_GP11-4.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722231.282
Northing / Lat:	4294318.187
Elevation:	147.006
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	96.840	96.844	0.042	0.640	0.043	33.400
2	0.100	0.328	234.780	234.783	0.269	0.480	0.115	41.400
3	0.150	0.492	203.680	203.693	0.755	2.120	0.371	45.700
4	0.200	0.656	148.730	148.747	0.850	2.800	0.571	50.800
5	0.250	0.820	93.970	94.001	0.000	4.900	0.000	56.100
6	0.300	0.984	67.670	67.701	0.000	4.980	0.000	64.000
7	0.350	1.148	52.300	52.302	1.135	0.320	2.170	62.600
8	0.400	1.312	33.470	33.479	1.160	1.520	3.465	71.900
9	0.450	1.476	31.210	31.214	0.953	0.670	3.053	75.700
10	0.500	1.640	31.780	31.783	0.874	0.410	2.750	79.900
11	0.550	1.804	39.370	39.370	0.776	0.040	1.971	74.800
12	0.600	1.968	54.410	54.416	0.734	0.980	1.349	75.900
13	0.650	2.133	94.570	94.573	0.803	0.430	0.849	68.200
14	0.700	2.297	100.000	100.006	0.954	0.970	0.954	62.900
15	0.750	2.461	113.650	113.651	0.988	0.210	0.869	54.300
16	0.800	2.625	134.760	134.761	1.005	0.110	0.746	47.500
17	0.850	2.789	154.970	154.970	1.159	0.080	0.748	56.500
18	0.900	2.953	178.230	178.230	1.453	0.080	0.815	51.000
19	0.950	3.117	199.210	199.211	1.253	0.130	0.629	44.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	201.850	201.855	1.193	0.730	0.591	47.200
21	1.050	3.445	214.580	214.585	1.004	0.780	0.468	48.300
22	1.100	3.609	208.060	208.077	1.408	2.730	0.677	38.400
23	1.150	3.773	181.790	181.807	1.344	2.710	0.739	37.500
24	1.200	3.937	171.380	171.389	1.059	1.410	0.618	48.200
25	1.250	4.101	143.160	143.170	1.302	1.550	0.909	50.000
26	1.300	4.265	135.160	135.164	1.123	0.680	0.831	39.900
27	1.350	4.429	119.800	119.809	1.039	1.520	0.867	45.900
28	1.400	4.593	94.860	94.869	1.204	1.510	1.269	53.000
29	1.450	4.757	99.480	99.489	0.595	1.450	0.598	55.100
30	1.500	4.921	104.910	104.921	1.388	1.700	1.323	59.000
31	1.550	5.085	106.310	106.317	1.635	1.120	1.538	62.700
32	1.600	5.249	65.650	65.668	1.565	2.910	2.383	75.600
33	1.650	5.413	65.080	65.080	1.574	-0.060	2.419	74.900
34	1.700	5.577	57.160	57.171	1.977	1.690	3.458	76.200
35	1.750	5.741	87.620	87.632	1.923	1.940	2.194	83.600
36	1.800	5.905	128.180	128.179	2.940	-0.220	2.294	81.400
37	1.850	6.069	77.130	77.141	3.223	1.720	4.178	91.500
38	1.900	6.234	92.090	92.117	3.947	4.310	4.285	76.800
39	1.950	6.398	88.720	88.769	3.659	7.910	4.122	79.600
40	2.000	6.562	132.190	132.274	3.892	13.400	2.942	74.700
41	2.050	6.726	274.350	274.462	6.423	17.930	2.340	66.300
42	2.100	6.890	297.330	297.404	5.603	11.820	1.884	65.800
43	2.150	7.054	256.190	256.260	4.703	11.200	1.835	64.800
44	2.200	7.218	238.700	238.740	4.295	6.440	1.799	64.700
45	2.250	7.382	211.290	211.317	5.887	4.390	2.786	87.300
46	2.300	7.546	76.690	76.713	4.387	3.620	5.719	84.400
47	2.350	7.710	50.210	50.284	2.950	11.850	5.867	92.000
48	2.400	7.874	44.470	44.540	1.773	11.210	3.981	87.700
49	2.450	8.038	42.690	42.746	1.430	9.050	3.345	89.100
50	2.500	8.202	29.870	29.882	1.264	1.950	4.230	98.000
51	2.550	8.366	26.870	26.879	1.014	1.470	3.772	88.900
52	2.600	8.530	26.100	26.097	0.928	-0.520	3.556	91.800
53	2.650	8.694	24.250	24.238	0.755	-1.870	3.115	87.400
54	2.700	8.858	20.980	20.966	0.620	-2.310	2.957	90.500
55	2.750	9.022	19.760	19.742	0.539	-2.860	2.730	88.100
56	2.800	9.186	18.760	18.743	0.518	-2.780	2.764	94.900
57	2.850	9.350	17.960	17.946	0.474	-2.320	2.641	98.400
58	2.900	9.514	16.740	16.729	0.400	-1.770	2.391	90.500
59	2.950	9.678	16.550	16.541	0.375	-1.470	2.267	101.900
60	3.000	9.842	17.290	17.284	0.354	-0.950	2.048	111.600
61	3.050	10.006	14.570	14.564	0.401	-0.970	2.753	104.700
62	3.100	10.170	12.320	12.314	0.424	-1.040	3.443	104.300
63	3.150	10.335	11.740	11.733	0.412	-1.100	3.511	103.500
64	3.200	10.499	11.370	11.364	0.418	-0.960	3.678	94.900
65	3.250	10.663	11.110	11.101	0.369	-1.460	3.324	85.100
66	3.300	10.827	11.520	11.511	0.363	-1.400	3.153	85.200
67	3.350	10.991	11.620	11.610	0.352	-1.540	3.032	84.100
68	3.400	11.155	10.100	10.091	0.275	-1.410	2.725	90.500
69	3.450	11.319	11.670	11.665	0.309	-0.820	2.649	79.600
70	3.500	11.483	11.730	11.727	0.302	-0.540	2.575	73.100
71	3.550	11.647	8.640	8.633	0.314	-1.060	3.637	84.000
72	3.600	11.811	8.300	8.296	0.265	-0.600	3.194	87.100
73	3.650	11.975	8.100	8.094	0.221	-0.930	2.730	85.200
74	3.700	12.139	7.220	7.219	0.205	-0.110	2.840	86.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	8.790	8.798	0.205	1.340	2.330	72.600
76	3.800	12.467	7.840	7.851	0.182	1.740	2.318	82.800
77	3.850	12.631	7.330	7.346	0.167	2.540	2.273	80.800
78	3.900	12.795	7.350	7.372	0.179	3.580	2.428	98.700
79	3.950	12.959	7.490	7.512	0.218	3.490	2.902	81.500
80	4.000	13.123	8.670	8.700	0.227	4.790	2.609	93.900
81	4.050	13.287	8.850	8.879	0.255	4.700	2.872	93.100
82	4.100	13.451	8.430	8.457	0.265	4.260	3.134	86.900
83	4.150	13.615	8.510	8.533	0.413	3.660	4.840	91.900
84	4.200	13.779	17.970	17.979	0.397	1.520	2.208	79.600
85	4.250	13.943	18.600	18.580	0.536	-3.200	2.885	77.600
86	4.300	14.107	11.640	11.597	0.543	-6.810	4.682	78.300
87	4.350	14.271	11.360	11.511	0.525	24.260	4.561	88.100
88	4.400	14.436	40.540	40.677	0.427	21.990	1.050	80.200
89	4.450	14.600	68.180	68.265	0.483	13.660	0.708	80.900
90	4.500	14.764	69.910	69.959	0.745	7.900	1.065	81.000
91	4.550	14.928	74.450	74.491	1.185	6.590	1.591	79.400
92	4.600	15.092	75.770	75.808	2.626	6.040	3.464	74.200
93	4.650	15.256	80.000	80.009	1.860	1.500	2.325	82.000
94	4.700	15.420	89.590	89.570	2.629	-3.250	2.935	75.100
95	4.750	15.584	99.060	99.014	2.188	-7.410	2.210	77.700
96	4.800	15.748	61.730	61.662	2.578	-10.870	4.181	79.000
97	4.850	15.912	79.300	79.235	2.752	-10.370	3.473	89.100
98	4.900	16.076	64.150	64.099	2.211	-8.100	3.449	81.900
99	4.950	16.240	86.710	86.661	2.033	-7.890	2.346	86.100
100	5.000	16.404	91.550	91.500	2.460	-7.990	2.689	97.700
101	5.050	16.568	100.480	100.429	2.623	-8.160	2.612	97.000
102	5.100	16.732	102.980	102.927	2.717	-8.550	2.640	82.000
103	5.150	16.896	84.250	84.193	2.647	-9.190	3.144	79.500
104	5.200	17.060	73.960	73.900	2.417	-9.620	3.271	72.600
105	5.250	17.224	80.720	80.661	2.162	-9.420	2.680	66.600
106	5.300	17.388	34.410	34.396	1.828	-2.230	5.315	78.500
107	5.350	17.552	23.620	23.616	1.353	-0.680	5.729	80.800
108	5.400	17.716	40.630	40.627	1.070	-0.470	2.634	77.000
109	5.450	17.880	89.290	89.287	1.367	-0.410	1.531	69.500
110	5.500	18.044	133.180	133.177	1.922	-0.480	1.443	83.800
111	5.550	18.208	146.150	146.146	2.472	-0.640	1.691	74.600
112	5.600	18.372	147.570	147.566	2.433	-0.580	1.649	63.000
113	5.650	18.537	105.270	105.264	1.537	-0.930	1.460	58.300
114	5.700	18.701	118.190	118.182	3.291	-1.300	2.785	44.800
115	5.750	18.865	215.500	215.493	3.763	-1.180	1.746	37.200
116	5.800	19.029	10.810	10.816	3.708	0.900	34.284	37.600
117	5.850	19.193	8.880	8.889	2.347	1.490	26.403	35.400
118	5.900	19.357	3.940	3.949	0.005	1.450	0.127	31.800
119	5.950	19.521	0.870	0.879	0.004	1.450	0.455	22.400
120	6.000	19.685	1.030	1.040	0.041	1.540	3.944	17.600
121	6.050	19.849	1.500	1.512	2.809	1.860	185.828	21.200
122	6.100	20.013	226.530	226.544	3.914	2.170	1.728	12.500
123	6.150	20.177	45.660	45.679	3.710	3.080	8.122	6.500
124	6.200	20.341	55.210	55.272	3.555	9.920	6.432	9.200
125	6.250	20.505	52.440	52.483	1.711	6.960	3.260	13.800
126	6.300	20.669	27.060	27.097	1.175	5.930	4.336	11.000
127	6.350	20.833	20.040	20.075	0.929	5.570	4.628	16.800
128	6.400	20.997	31.850	31.872	0.981	3.480	3.078	22.400
129	6.450	21.161	38.060	38.080	1.038	3.140	2.726	29.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	26.320	26.339	1.077	3.100	4.089	33.800
131	6.550	21.489	16.390	16.417	0.519	4.270	3.161	44.800
132	6.600	21.653	56.910	56.940	0.979	4.740	1.719	50.500
133	6.650	21.817	52.840	52.862	1.128	3.550	2.134	60.800
134	6.700	21.981	30.840	30.860	1.065	3.210	3.451	57.200
135	6.750	22.145	34.100	34.126	1.271	4.220	3.724	44.000
136	6.800	22.309	38.690	38.695	0.815	0.860	2.106	32.600
137	6.850	22.473	34.710	34.724	0.750	2.230	2.160	32.600
138	6.900	22.638	32.980	32.984	0.662	0.700	2.007	29.800
139	6.950	22.802	18.890	18.898	0.724	1.300	3.831	33.600
140	7.000	22.966	27.560	27.568	0.703	1.320	2.550	35.500
141	7.050	23.130	16.720	16.737	0.655	2.740	3.913	49.700
142	7.100	23.294	32.580	32.611	0.685	4.910	2.101	52.200
143	7.150	23.458	71.010	71.041	0.656	4.940	0.923	50.500
144	7.200	23.622	79.160	79.187	0.949	4.340	1.198	49.200
145	7.250	23.786	75.310	75.334	1.462	3.850	1.941	44.500
146	7.300	23.950	122.680	122.704	2.025	3.830	1.650	31.800
147	7.350	24.114	55.560	55.584	2.146	3.790	3.861	23.600
148	7.400	24.278	53.030	53.048	1.541	2.910	2.905	19.700
149	7.450	24.442	17.160	17.182	0.719	3.480	4.185	23.100
150	7.500	24.606	36.650	36.672	1.049	3.580	2.860	22.400
151	7.550	24.770	33.570	33.589	0.836	3.030	2.489	29.300
152	7.600	24.934	30.210	30.244	0.850	5.460	2.810	33.500
153	7.650	25.098	24.150	24.178	0.782	4.460	3.234	36.400
154	7.700	25.262	22.380	22.409	0.727	4.710	3.244	50.500
155	7.750	25.426	26.460	26.496	0.818	5.710	3.087	64.700
156	7.800	25.590	46.400	46.429	1.014	4.580	2.184	64.000
157	7.850	25.754	47.000	47.012	0.992	1.990	2.110	62.900
158	7.900	25.918	68.420	68.439	1.026	3.010	1.499	62.700
159	7.950	26.082	50.830	50.825	0.982	-0.770	1.932	53.500
160	8.000	26.246	36.880	36.873	0.826	-1.070	2.240	47.100
161	8.050	26.410	33.830	33.825	0.809	-0.870	2.392	41.400
162	8.100	26.574	35.830	35.841	0.829	1.780	2.313	36.700
163	8.150	26.739	12.510	12.530	1.395	3.240	11.133	38.900
164	8.200	26.903	10.830	10.858	0.910	4.520	8.381	26.600
165	8.250	27.067	32.200	32.213	0.288	2.100	0.894	30.600
166	8.300	27.231	13.780	13.799	0.618	3.030	4.479	28.800
167	8.350	27.395	23.980	24.006	0.741	4.130	3.087	38.100
168	8.400	27.559	20.150	20.187	0.823	5.860	4.077	35.000
169	8.450	27.723	25.840	25.874	0.947	5.500	3.660	43.000
170	8.500	27.887	27.150	27.181	0.711	5.000	2.616	53.200
171	8.550	28.051	26.650	26.683	0.601	5.290	2.252	72.900
172	8.600	28.215	33.980	34.012	0.449	5.160	1.320	72.000
173	8.650	28.379	36.210	36.241	0.446	5.000	1.231	75.300
174	8.700	28.543	36.070	36.101	0.524	4.920	1.451	66.200
175	8.750	28.707	38.960	38.991	0.922	5.030	2.365	50.100
176	8.800	28.871	40.160	40.190	1.023	4.770	2.545	41.200
177	8.850	29.035	41.770	41.799	1.316	4.570	3.148	32.700
178	8.900	29.199	45.660	45.689	0.743	4.650	1.626	22.800
179	8.950	29.363	63.750	63.773	1.102	3.630	1.728	24.100
180	9.000	29.527	154.310	154.333	2.229	3.760	1.444	22.600
181	9.050	29.691	186.350	186.371	3.158	3.380	1.694	25.000
182	9.100	29.855	57.200	57.224	3.309	3.830	5.783	24.000
183	9.150	30.019	24.770	24.796	1.719	4.210	6.932	31.000
184	9.200	30.183	39.840	39.871	1.179	4.940	2.957	34.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	57.940	57.975	1.093	5.670	1.885	36.500
186	9.300	30.511	43.480	43.512	1.126	5.170	2.588	41.700
187	9.350	30.675	126.230	126.271	1.911	6.490	1.513	50.200
188	9.400	30.840	190.070	190.054	2.207	-2.500	1.161	66.100
189	9.450	31.004	202.380	202.342	3.037	-6.080	1.501	73.200
190	9.500	31.168	158.980	158.932	4.256	-7.640	2.678	77.900
191	9.550	31.332	126.330	126.281	4.275	-7.870	3.385	50.000
192	9.600	31.496	121.780	121.728	3.643	-8.310	2.993	39.000
193	9.650	31.660	102.360	102.369	2.807	1.520	2.742	30.000
194	9.700	31.824	66.560	66.576	3.457	2.580	5.193	24.700
195	9.750	31.988	93.120	93.145	2.983	4.010	3.203	20.100
196	9.800	32.152	61.420	61.418	2.284	-0.310	3.719	19.400
197	9.850	32.316	33.250	33.256	1.797	1.020	5.403	29.200
198	9.900	32.480	45.290	45.301	1.405	1.840	3.101	20.700
199	9.950	32.644	21.520	21.537	1.121	2.790	5.205	20.000
200	10.000	32.808	22.570	22.589	0.942	3.030	4.170	16.200
201	10.050	32.972	26.960	26.978	0.856	2.920	3.173	10.600
202	10.100	33.136	21.610	21.625	0.960	2.400	4.439	12.000
203	10.150	33.300	26.800	26.816	1.147	2.570	4.277	10.200
204	10.200	33.464	20.240	20.256	1.261	2.540	6.225	9.300
205	10.250	33.628	26.280	26.295	0.819	2.460	3.115	15.100
206	10.300	33.792	24.510	24.527	0.965	2.650	3.935	19.400
207	10.350	33.956	37.590	37.609	1.038	2.970	2.760	15.300
208	10.400	34.120	33.490	33.512	1.096	3.500	3.270	13.200
209	10.450	34.284	43.490	43.509	1.072	3.120	2.464	16.800
210	10.500	34.448	49.520	49.544	1.445	3.820	2.917	19.800
211	10.550	34.612	36.050	36.075	1.578	4.030	4.374	19.700
212	10.600	34.776	49.880	49.914	1.693	5.400	3.392	29.600
213	10.650	34.941	47.330	47.365	1.902	5.630	4.016	33.700
214	10.700	35.105	58.910	58.943	1.671	5.240	2.835	36.200
215	10.750	35.269	20.060	20.095	1.196	5.610	5.952	38.100
216	10.800	35.433	29.020	29.053	1.117	5.350	3.845	36.400
217	10.850	35.597	46.380	46.408	1.073	4.430	2.312	40.200
218	10.900	35.761	48.830	48.852	1.283	3.570	2.626	32.200
219	10.950	35.925	38.000	38.025	1.143	4.040	3.006	37.900
220	11.000	36.089	23.450	23.473	0.992	3.650	4.226	43.100
221	11.050	36.253	26.080	26.104	0.676	3.910	2.590	37.400
222	11.100	36.417	24.210	24.236	0.734	4.150	3.029	33.800
223	11.150	36.581	44.320	44.342	1.153	3.450	2.600	37.400
224	11.200	36.745	24.760	24.783	1.003	3.740	4.047	36.100
225	11.250	36.909	28.970	28.991	0.760	3.440	2.621	41.200
226	11.300	37.073	20.590	20.608	0.536	2.950	2.601	43.100
227	11.350	37.237	17.840	17.859	0.577	3.060	3.231	51.200
228	11.400	37.401	19.260	19.277	0.554	2.700	2.874	59.000
229	11.450	37.565	18.890	18.919	0.885	4.630	4.678	77.900
230	11.500	37.729	35.640	35.675	1.167	5.680	3.271	69.500
231	11.550	37.893	71.480	71.511	1.311	4.980	1.833	77.000
232	11.600	38.057	44.810	44.823	1.652	2.130	3.686	93.400
233	11.650	38.221	43.300	43.309	1.725	1.480	3.983	94.900
234	11.700	38.385	40.080	40.091	1.306	1.770	3.258	87.800
235	11.750	38.549	35.010	35.022	1.170	2.000	3.341	87.800
236	11.800	38.713	39.720	39.734	1.279	2.200	3.219	94.400
237	11.850	38.877	43.680	43.693	1.302	2.090	2.980	77.500
238	11.900	39.042	33.030	33.041	1.275	1.770	3.859	78.200
239	11.950	39.206	29.130	29.142	1.154	1.890	3.960	63.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	26.650	26.662	1.037	1.990	3.889	72.900
241	12.050	39.534	28.400	28.414	1.162	2.170	4.090	44.200
242	12.100	39.698	36.110	36.126	1.066	2.510	2.951	37.300
243	12.150	39.862	61.200	61.216	1.816	2.610	2.967	36.100
244	12.200	40.026	105.980	105.996	2.253	2.630	2.126	39.400
245	12.250	40.190	68.940	68.976	1.837	5.790	2.663	44.200
246	12.300	40.354	36.720	36.764	1.876	6.970	5.103	40.300
247	12.350	40.518	69.210	69.270	1.408	9.590	2.033	52.200
248	12.400	40.682	61.570	61.598	1.693	4.480	2.748	55.500
249	12.450	40.846	45.290	45.321	1.630	4.970	3.597	74.200
250	12.500	41.010	40.030	40.102	1.357	11.480	3.384	69.800
251	12.550	41.174	32.650	32.721	0.912	11.410	2.787	86.000
252	12.600	41.338	26.930	27.003	0.957	11.640	3.544	77.700
253	12.650	41.502	32.090	32.165	1.037	11.950	3.224	91.400
254	12.700	41.666	36.470	36.547	1.052	12.300	2.879	81.300
255	12.750	41.830	34.310	34.386	1.054	12.120	3.065	76.400
256	12.800	41.994	24.600	24.669	0.926	11.060	3.754	56.500
257	12.850	42.158	24.950	25.013	0.794	10.110	3.174	49.400
258	12.900	42.322	25.230	25.294	0.774	10.260	3.060	37.300
259	12.950	42.486	25.270	25.333	0.808	10.060	3.190	47.900
260	13.000	42.650	36.240	36.299	1.167	9.530	3.215	87.300
261	13.050	42.814	44.380	44.438	1.581	9.290	3.558	79.000
262	13.100	42.978	53.160	53.213	1.518	8.450	2.853	55.900
263	13.150	43.143	88.750	88.801	1.510	8.150	1.700	49.200
264	13.200	43.307	36.610	36.659	1.682	7.830	4.588	35.500
265	13.250	43.471	35.250	35.302	1.648	8.400	4.668	29.800
266	13.300	43.635	49.270	49.323	1.405	8.550	2.849	28.400
267	13.350	43.799	29.860	29.917	1.564	9.170	5.228	23.700
268	13.400	43.963	53.740	53.792	1.627	8.370	3.025	22.100
269	13.450	44.127	35.740	35.787	1.550	7.590	4.331	24.600
270	13.500	44.291	44.790	44.845	1.807	8.870	4.029	23.900
271	13.550	44.455	40.160	40.220	1.914	9.690	4.759	34.500
272	13.600	44.619	40.430	40.490	1.967	9.560	4.858	37.000
273	13.650	44.783	33.440	33.494	1.854	8.640	5.535	32.800
274	13.700	44.947	34.480	34.531	0.960	8.100	2.780	50.100
275	13.750	45.111	38.540	38.593	0.737	8.410	1.910	75.400
276	13.800	45.275	15.120	15.172	0.599	8.340	3.948	107.100
277	13.850	45.439	17.210	17.271	0.603	9.780	3.491	138.100
278	13.900	45.603	25.820	25.867	0.600	7.510	2.320	143.300
279	13.950	45.767	24.390	24.436	0.740	7.300	3.028	153.100
280	14.000	45.931	23.370	23.417	0.795	7.480	3.395	163.200
281	14.050	46.095	21.940	21.986	0.558	7.350	2.538	150.400
282	14.100	46.259	15.820	15.867	0.386	7.570	2.433	103.500
283	14.150	46.423	15.380	15.429	0.388	7.820	2.515	105.100
284	14.200	46.587	46.400	46.450	0.537	7.990	1.156	90.300
285	14.250	46.751	102.380	102.429	0.945	7.910	0.923	74.100
286	14.300	46.915	123.930	123.979	1.416	7.860	1.142	78.700
287	14.350	47.079	126.890	126.940	1.756	7.950	1.383	89.800
288	14.400	47.244	92.720	92.770	2.403	8.070	2.590	79.300
289	14.450	47.408	71.890	71.940	2.075	8.050	2.884	92.000
290	14.500	47.572	52.030	52.084	1.683	8.600	3.231	86.900
291	14.550	47.736	47.890	47.945	1.620	8.880	3.379	92.100
292	14.600	47.900	39.490	39.544	1.160	8.720	2.933	89.600
293	14.650	48.064	26.610	26.665	1.350	8.790	5.063	0.000
294	14.700	48.228	39.050	39.107	1.625	9.060	4.155	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	47.220	47.276	1.603	8.910	3.391	0.000
296	14.800	48.556	53.630	53.678	1.847	7.750	3.441	0.000
297	14.850	48.720	42.650	42.690	2.260	6.400	5.294	0.000
298	14.900	48.884	41.860	41.888	2.293	4.520	5.474	0.000
299	14.950	49.048	66.170	66.197	4.084	4.390	6.169	0.000
300	15.000	49.212	90.190	90.218	3.497	4.460	3.876	0.000
301	15.050	49.376	17.580	17.605	3.438	4.000	19.529	0.000
302	15.100	49.540	29.550	29.576	2.581	4.100	8.727	0.000
303	15.150	49.704	15.620	15.647	0.828	4.340	5.292	0.000
304	15.200	49.868	16.790	16.818	0.789	4.520	4.691	0.000
305	15.250	50.032	17.850	17.879	1.014	4.580	5.672	0.000
306	15.300	50.196	42.510	42.539	1.763	4.640	4.144	0.000
307	15.350	50.360	116.600	116.630	2.176	4.870	1.866	0.000
308	15.400	50.524	221.860	221.889	0.000	4.670	0.000	0.000
309	15.450	50.688	363.200	363.210	0.000	1.660	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221590
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-12-1
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-20-2013
CPT Time:	15:52
CPT File:	13-53075_GP12-1.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722230.456
Northing / Lat:	4294371.990
Elevation:	146.000
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	37.710	37.712	0.028	0.330	0.074	31.700
2	0.100	0.328	57.540	57.544	0.175	0.630	0.304	37.700
3	0.150	0.492	53.540	53.544	0.392	0.690	0.732	44.900
4	0.200	0.656	61.620	61.623	0.691	0.490	1.121	61.100
5	0.250	0.820	29.250	29.251	0.681	0.160	2.328	68.100
6	0.300	0.984	31.440	31.448	1.000	1.300	3.180	87.400
7	0.350	1.148	31.130	31.136	0.958	0.910	3.077	78.500
8	0.400	1.312	41.730	41.732	1.374	0.280	3.292	84.600
9	0.450	1.476	177.060	177.066	2.491	0.920	1.407	65.700
10	0.500	1.640	75.250	75.264	3.614	2.260	4.802	77.300
11	0.550	1.804	49.590	49.595	3.231	0.740	6.515	83.600
12	0.600	1.968	78.640	78.647	1.786	1.120	2.271	73.800
13	0.650	2.133	102.020	102.025	1.743	0.760	1.708	71.300
14	0.700	2.297	124.670	124.683	2.053	2.120	1.647	74.700
15	0.750	2.461	102.730	102.746	2.355	2.620	2.292	73.300
16	0.800	2.625	82.650	82.667	2.417	2.780	2.924	78.100
17	0.850	2.789	48.370	48.388	2.484	2.940	5.133	84.800
18	0.900	2.953	47.910	47.928	2.377	2.930	4.959	80.700
19	0.950	3.117	52.000	52.011	2.020	1.810	3.884	89.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	45.060	45.078	1.678	2.850	3.722	98.700
21	1.050	3.445	42.340	42.360	1.533	3.140	3.619	87.600
22	1.100	3.609	47.600	47.617	1.452	2.690	3.049	86.100
23	1.150	3.773	51.800	51.807	1.404	1.060	2.710	90.400
24	1.200	3.937	55.360	55.359	1.431	-0.160	2.585	77.300
25	1.250	4.101	58.340	58.331	1.524	-1.370	2.613	77.400
26	1.300	4.265	52.850	52.834	1.558	-2.640	2.949	82.100
27	1.350	4.429	46.230	46.209	2.981	-3.430	6.451	68.200
28	1.400	4.593	53.640	53.623	1.570	-2.740	2.928	72.200
29	1.450	4.757	214.280	214.274	0.814	-0.940	0.380	70.300
30	1.500	4.921	201.740	201.735	1.899	-0.800	0.941	57.500
31	1.550	5.085	137.820	137.821	1.850	0.200	1.342	59.700
32	1.600	5.249	113.530	113.533	1.267	0.520	1.116	65.200
33	1.650	5.413	63.500	63.515	0.938	2.400	1.477	66.600
34	1.700	5.577	29.020	29.023	0.782	0.450	2.694	66.900
35	1.750	5.741	21.020	21.024	0.573	0.620	2.725	81.200
36	1.800	5.905	16.580	16.584	0.578	0.680	3.485	75.800
37	1.850	6.069	12.980	12.990	0.446	1.540	3.434	93.400
38	1.900	6.234	16.010	16.015	0.420	0.790	2.623	80.600
39	1.950	6.398	17.610	17.611	0.453	0.170	2.572	92.800
40	2.000	6.562	16.460	16.456	0.507	-0.640	3.081	62.900
41	2.050	6.726	15.550	15.548	0.507	-0.340	3.261	83.000
42	2.100	6.890	12.560	12.557	0.499	-0.420	3.974	83.600
43	2.150	7.054	9.460	9.458	0.447	-0.270	4.726	81.100
44	2.200	7.218	7.570	7.572	0.459	0.260	6.062	80.200
45	2.250	7.382	7.950	7.956	0.324	0.990	4.072	80.900
46	2.300	7.546	19.190	19.165	0.284	-4.070	1.482	92.100
47	2.350	7.710	25.300	25.252	0.916	-7.610	3.627	84.200
48	2.400	7.874	24.240	24.234	0.928	-0.930	3.829	82.700
49	2.450	8.038	8.490	8.484	0.933	-0.940	10.997	79.000
50	2.500	8.202	12.470	12.447	0.785	-3.710	6.307	80.900
51	2.550	8.366	13.240	13.219	0.454	-3.320	3.434	81.000
52	2.600	8.530	12.860	12.857	0.539	-0.520	4.192	81.200
53	2.650	8.694	8.940	8.939	1.370	-0.180	15.326	69.300
54	2.700	8.858	8.150	8.148	0.411	-0.330	5.044	65.900
55	2.750	9.022	186.850	186.860	0.310	1.610	0.166	59.000
56	2.800	9.186	20.960	20.959	1.856	-0.190	8.855	64.000
57	2.850	9.350	22.070	22.070	4.367	-0.040	19.787	60.800
58	2.900	9.514	123.540	123.539	4.588	-0.150	3.714	67.300
59	2.950	9.678	232.320	232.319	4.370	-0.130	1.881	57.700
60	3.000	9.842	267.730	267.729	2.333	-0.090	0.871	77.700
61	3.050	10.006	152.330	152.330	1.734	-0.070	1.138	68.100
62	3.100	10.170	144.760	144.759	1.371	-0.140	0.947	84.300
63	3.150	10.335	132.320	132.319	2.150	-0.200	1.625	84.400
64	3.200	10.499	105.900	105.900	1.202	-0.040	1.135	83.100
65	3.250	10.663	26.360	26.360	2.675	0.050	10.148	95.800
66	3.300	10.827	50.930	50.930	2.306	0.040	4.528	82.600
67	3.350	10.991	38.200	38.201	1.211	0.210	3.170	91.500
68	3.400	11.155	30.400	30.401	0.852	0.240	2.802	90.700
69	3.450	11.319	29.250	29.250	0.561	0.060	1.918	95.600
70	3.500	11.483	23.840	23.840	0.643	0.060	2.697	99.100
71	3.550	11.647	20.670	20.673	0.638	0.490	3.086	89.400
72	3.600	11.811	18.910	18.913	0.815	0.450	4.309	93.800
73	3.650	11.975	16.230	16.232	0.808	0.300	4.978	98.100
74	3.700	12.139	13.010	13.014	0.691	0.720	5.309	92.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	10.120	10.131	0.565	1.730	5.577	91.300
76	3.800	12.467	12.990	13.005	0.569	2.350	4.375	94.200
77	3.850	12.631	18.920	18.928	0.648	1.340	3.423	90.000
78	3.900	12.795	21.500	21.498	0.842	-0.280	3.917	90.200
79	3.950	12.959	26.030	26.039	0.995	1.440	3.821	95.900
80	4.000	13.123	40.500	40.518	1.132	2.890	2.794	102.100
81	4.050	13.287	43.800	43.805	1.134	0.740	2.589	86.000
82	4.100	13.451	41.350	41.336	1.181	-2.260	2.857	97.600
83	4.150	13.615	33.630	33.614	1.216	-2.510	3.618	71.600
84	4.200	13.779	32.250	32.239	1.413	-1.710	4.383	56.500
85	4.250	13.943	42.980	42.990	1.861	1.540	4.329	49.600
86	4.300	14.107	73.170	73.150	1.968	-3.250	2.690	41.300
87	4.350	14.271	48.930	48.902	1.692	-4.490	3.460	28.600
88	4.400	14.436	43.650	43.653	0.792	0.430	1.814	30.900
89	4.450	14.600	53.190	53.202	1.123	1.880	2.111	25.100
90	4.500	14.764	72.160	72.171	1.390	1.710	1.926	30.400
91	4.550	14.928	49.520	49.566	1.456	7.380	2.937	21.800
92	4.600	15.092	71.050	71.085	1.697	5.590	2.387	28.000
93	4.650	15.256	118.650	118.666	2.312	2.520	1.948	30.200
94	4.700	15.420	109.620	109.646	1.901	4.200	1.734	37.400
95	4.750	15.584	111.750	111.759	1.911	1.380	1.710	42.700
96	4.800	15.748	24.360	24.371	2.860	1.710	11.735	67.300
97	4.850	15.912	44.470	44.508	2.427	6.050	5.453	92.200
98	4.900	16.076	31.380	31.423	0.816	6.840	2.597	84.000
99	4.950	16.240	18.550	18.616	0.813	10.560	4.367	113.800
100	5.000	16.404	26.660	26.727	0.786	10.800	2.941	121.800
101	5.050	16.568	23.960	23.992	0.882	5.140	3.676	107.500
102	5.100	16.732	18.050	18.032	0.961	-2.910	5.329	107.400
103	5.150	16.896	14.780	14.756	0.918	-3.820	6.221	95.400
104	5.200	17.060	14.200	14.175	0.888	-4.050	6.265	74.700
105	5.250	17.224	12.990	13.134	0.666	23.000	5.071	59.200
106	5.300	17.388	24.670	24.774	0.535	16.650	2.160	49.500
107	5.350	17.552	80.200	80.267	0.515	10.790	0.642	38.900
108	5.400	17.716	123.680	123.731	1.040	8.180	0.841	37.300
109	5.450	17.880	35.740	35.794	0.983	8.710	2.746	49.400
110	5.500	18.044	11.690	11.724	0.722	5.400	6.158	50.600
111	5.550	18.208	36.900	36.936	0.885	5.770	2.396	72.200
112	5.600	18.372	36.730	36.765	1.460	5.670	3.971	86.900
113	5.650	18.537	27.860	27.899	1.576	6.300	5.649	85.900
114	5.700	18.701	26.710	26.769	1.432	9.530	5.349	63.000
115	5.750	18.865	45.490	45.548	1.518	9.360	3.333	45.600
116	5.800	19.029	57.440	57.493	2.417	8.540	4.204	44.200
117	5.850	19.193	78.310	78.367	2.641	9.060	3.370	41.700
118	5.900	19.357	52.170	52.226	2.749	9.040	5.264	29.200
119	5.950	19.521	66.710	66.776	2.525	10.590	3.781	28.900
120	6.000	19.685	40.950	41.005	2.514	8.780	6.131	32.900
121	6.050	19.849	46.960	47.027	2.776	10.740	5.903	40.600
122	6.100	20.013	91.020	91.086	2.036	10.550	2.235	51.900
123	6.150	20.177	38.270	38.324	2.204	8.640	5.751	57.300
124	6.200	20.341	58.490	58.517	1.795	4.250	3.068	67.100
125	6.250	20.505	35.490	35.516	1.092	4.180	3.075	65.900
126	6.300	20.669	35.440	35.469	1.074	4.640	3.028	71.000
127	6.350	20.833	49.810	49.838	1.094	4.550	2.195	77.500
128	6.400	20.997	46.770	46.797	0.896	4.390	1.915	136.100
129	6.450	21.161	42.440	42.465	0.692	4.080	1.630	216.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	37.620	37.666	0.689	7.430	1.829	268.300
131	6.550	21.489	37.780	37.832	0.899	8.330	2.376	316.900
132	6.600	21.653	51.330	51.385	1.469	8.870	2.859	267.200
133	6.650	21.817	61.100	61.155	2.361	8.860	3.861	211.100
134	6.700	21.981	107.470	107.513	2.137	6.890	1.988	205.900
135	6.750	22.145	162.310	162.338	1.993	4.540	1.228	313.500
136	6.800	22.309	144.980	145.006	1.877	4.100	1.294	530.200
137	6.850	22.473	95.860	95.880	1.912	3.200	1.994	709.900
138	6.900	22.638	68.550	68.573	2.391	3.730	3.487	737.000
139	6.950	22.802	64.440	64.464	2.665	3.800	4.134	549.300
140	7.000	22.966	82.100	82.128	2.208	4.420	2.688	414.000
141	7.050	23.130	101.920	101.945	2.188	3.980	2.146	362.700
142	7.100	23.294	49.230	49.250	2.108	3.180	4.280	370.200
143	7.150	23.458	37.890	37.914	1.895	3.810	4.998	475.200
144	7.200	23.622	31.930	31.963	1.908	5.230	5.969	796.300
145	7.250	23.786	39.780	39.812	2.162	5.090	5.431	1763.100
146	7.300	23.950	36.490	36.513	1.985	3.640	5.436	3571.000
147	7.350	24.114	33.440	33.461	1.866	3.410	5.577	5135.100
148	7.400	24.278	26.320	26.338	1.569	2.830	5.957	4585.800
149	7.450	24.442	31.580	31.600	1.826	3.260	5.778	2368.000
150	7.500	24.606	59.420	59.444	2.213	3.900	3.723	987.300
151	7.550	24.770	42.870	42.868	2.232	-0.400	5.207	460.900
152	7.600	24.934	46.930	46.939	2.019	1.410	4.301	229.400
153	7.650	25.098	39.170	39.218	1.511	7.670	3.853	121.400
154	7.700	25.262	52.900	52.947	1.942	7.540	3.668	76.500
155	7.750	25.426	63.320	63.363	2.024	6.920	3.194	55.900
156	7.800	25.590	58.440	58.481	1.897	6.550	3.244	44.000
157	7.850	25.754	62.310	62.355	1.956	7.200	3.137	46.100
158	7.900	25.918	29.490	29.538	1.685	7.650	5.705	36.400
159	7.950	26.082	26.890	26.934	1.267	7.000	4.704	31.200
160	8.000	26.246	27.960	27.993	1.195	5.260	4.269	43.600
161	8.050	26.410	28.500	28.536	1.150	5.730	4.030	46.400
162	8.100	26.574	20.360	20.403	0.921	6.840	4.514	65.800
163	8.150	26.739	16.080	16.137	0.711	9.200	4.406	82.700
164	8.200	26.903	17.870	17.934	0.567	10.200	3.162	78.400
165	8.250	27.067	21.540	21.605	0.882	10.420	4.082	80.600
166	8.300	27.231	27.590	27.656	0.926	10.520	3.348	72.500
167	8.350	27.395	16.660	16.723	0.828	10.170	4.951	59.600
168	8.400	27.559	19.420	19.488	1.014	10.860	5.203	46.000
169	8.450	27.723	40.560	40.623	1.073	10.130	2.641	32.700
170	8.500	27.887	38.450	38.493	1.336	6.870	3.471	26.900
171	8.550	28.051	40.760	40.807	2.300	7.480	5.636	26.900
172	8.600	28.215	111.600	111.638	2.911	6.120	2.608	29.900
173	8.650	28.379	79.000	79.034	3.201	5.380	4.050	31.800
174	8.700	28.543	56.560	56.596	2.653	5.720	4.688	33.600
175	8.750	28.707	27.930	27.963	2.144	5.330	7.667	36.400
176	8.800	28.871	61.900	61.936	2.459	5.740	3.970	49.500
177	8.850	29.035	65.510	65.539	1.890	4.700	2.884	57.200
178	8.900	29.199	29.810	29.824	1.514	2.280	5.076	58.300
179	8.950	29.363	19.740	19.754	0.737	2.180	3.731	58.600
180	9.000	29.527	15.810	15.825	0.645	2.410	4.076	55.700
181	9.050	29.691	10.380	10.394	0.756	2.240	7.273	40.800
182	9.100	29.855	65.030	65.052	1.811	3.500	2.784	34.000
183	9.150	30.019	64.640	64.664	1.669	3.790	2.581	31.400
184	9.200	30.183	28.800	28.837	2.207	5.960	7.653	29.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	26.810	26.831	1.397	3.430	5.207	34.100
186	9.300	30.511	29.930	29.958	1.312	4.480	4.379	43.500
187	9.350	30.675	28.760	28.781	1.215	3.430	4.221	55.100
188	9.400	30.840	45.910	45.927	1.104	2.650	2.404	69.800
189	9.450	31.004	47.410	47.430	1.071	3.250	2.258	66.800
190	9.500	31.168	58.070	58.086	1.246	2.640	2.145	79.800
191	9.550	31.332	84.670	84.683	1.837	2.160	2.169	63.400
192	9.600	31.496	69.360	69.380	2.141	3.180	3.086	60.700
193	9.650	31.660	93.450	93.462	2.711	1.850	2.901	0.000
194	9.700	31.824	75.840	75.850	2.154	1.660	2.840	0.000
195	9.750	31.988	49.130	49.141	2.185	1.700	4.446	0.000
196	9.800	32.152	56.890	56.900	2.015	1.620	3.541	0.000
197	9.850	32.316	67.820	67.822	2.021	0.350	2.980	0.000
198	9.900	32.480	45.880	45.873	2.023	-1.110	4.410	0.000
199	9.950	32.644	35.870	35.869	1.926	-0.230	5.370	0.000
200	10.000	32.808	63.130	63.130	1.815	-0.040	2.875	0.000
201	10.050	32.972	48.740	48.737	2.276	-0.470	4.670	0.000
202	10.100	33.136	51.070	51.072	2.281	0.330	4.466	0.000
203	10.150	33.300	54.380	54.383	2.166	0.440	3.983	0.000
204	10.200	33.464	58.590	58.595	2.161	0.780	3.688	0.000
205	10.250	33.628	70.540	70.548	2.472	1.350	3.504	0.000
206	10.300	33.792	61.740	61.749	2.077	1.480	3.364	0.000
207	10.350	33.956	54.050	54.059	0.000	1.460	0.000	0.000
208	10.400	34.120	48.150	48.162	0.000	1.860	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221591
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-12-2
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-20-2013
CPT Time:	14:07
CPT File:	13-53075_GP12-2.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722238.555
Northing / Lat:	4294356.604
Elevation:	144.975
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	5.760	5.761	0.012	0.220	0.208	36.100
2	0.100	0.328	38.020	38.021	0.127	0.230	0.334	48.200
3	0.150	0.492	38.850	38.851	0.434	0.150	1.117	55.000
4	0.200	0.656	51.500	51.503	0.624	0.450	1.212	70.600
5	0.250	0.820	31.300	31.309	0.941	1.490	3.005	81.800
6	0.300	0.984	38.990	38.988	1.232	-0.320	3.160	100.200
7	0.350	1.148	36.170	36.153	1.361	-2.700	3.765	104.500
8	0.400	1.312	46.330	46.312	1.734	-2.930	3.744	109.100
9	0.450	1.476	65.460	65.446	2.058	-2.180	3.145	101.600
10	0.500	1.640	82.630	82.627	2.891	-0.460	3.499	98.400
11	0.550	1.804	93.350	93.355	3.540	0.730	3.792	103.300
12	0.600	1.968	101.010	101.014	4.310	0.690	4.267	87.100
13	0.650	2.133	93.310	93.311	4.485	0.090	4.807	77.300
14	0.700	2.297	77.330	77.332	4.290	0.400	5.547	93.500
15	0.750	2.461	73.070	73.070	3.717	-0.030	5.087	82.800
16	0.800	2.625	54.190	54.190	3.185	0.050	5.877	93.700
17	0.850	2.789	45.190	45.189	2.607	-0.150	5.769	100.300
18	0.900	2.953	46.110	46.109	2.292	-0.170	4.971	101.500
19	0.950	3.117	44.740	44.741	1.945	0.090	4.347	87.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	42.660	42.661	1.389	0.130	3.256	94.100
21	1.050	3.445	68.000	68.000	1.160	0.040	1.706	87.600
22	1.100	3.609	83.640	83.641	2.097	0.100	2.507	87.000
23	1.150	3.773	86.340	86.340	1.965	0.030	2.276	77.900
24	1.200	3.937	49.230	49.235	2.024	0.760	4.111	93.900
25	1.250	4.101	60.530	60.533	1.648	0.540	2.722	84.600
26	1.300	4.265	52.930	52.932	1.724	0.370	3.257	71.100
27	1.350	4.429	35.010	35.015	2.022	0.750	5.775	74.600
28	1.400	4.593	46.460	46.463	1.813	0.500	3.902	84.000
29	1.450	4.757	25.990	25.994	1.299	0.710	4.997	83.100
30	1.500	4.921	25.910	25.916	0.933	0.890	3.600	81.100
31	1.550	5.085	22.760	22.753	0.851	-1.110	3.740	70.400
32	1.600	5.249	20.200	20.193	0.776	-1.150	3.843	76.200
33	1.650	5.413	19.460	19.447	0.804	-2.060	4.134	83.200
34	1.700	5.577	28.510	28.495	0.819	-2.370	2.874	77.500
35	1.750	5.741	18.760	18.756	0.972	-0.660	5.182	80.100
36	1.800	5.905	18.140	18.136	0.772	-0.630	4.257	89.600
37	1.850	6.069	14.100	14.097	0.612	-0.520	4.341	83.200
38	1.900	6.234	14.350	14.340	0.539	-1.650	3.759	81.300
39	1.950	6.398	13.340	13.324	0.524	-2.630	3.933	85.300
40	2.000	6.562	10.490	10.472	0.531	-2.900	5.071	86.800
41	2.050	6.726	11.020	11.005	0.430	-2.400	3.907	77.100
42	2.100	6.890	8.660	8.640	0.339	-3.130	3.923	96.200
43	2.150	7.054	8.370	8.344	0.328	-4.180	3.931	77.200
44	2.200	7.218	10.590	10.583	0.352	-1.050	3.326	91.500
45	2.250	7.382	7.890	7.887	0.364	-0.530	4.615	83.400
46	2.300	7.546	7.230	7.227	0.329	-0.510	4.552	84.500
47	2.350	7.710	7.460	7.452	0.323	-1.300	4.334	95.600
48	2.400	7.874	11.580	11.570	0.364	-1.630	3.146	92.300
49	2.450	8.038	22.880	22.862	0.417	-2.820	1.824	85.000
50	2.500	8.202	25.690	25.668	0.507	-3.580	1.975	92.600
51	2.550	8.366	32.060	32.043	0.642	-2.710	2.004	84.300
52	2.600	8.530	26.590	26.559	0.638	-5.030	2.402	84.900
53	2.650	8.694	26.960	26.923	0.547	-5.960	2.032	90.400
54	2.700	8.858	35.880	35.841	0.616	-6.300	1.719	89.400
55	2.750	9.022	32.540	32.467	0.742	-11.760	2.285	79.800
56	2.800	9.186	48.910	48.827	0.948	-13.260	1.942	68.400
57	2.850	9.350	27.390	27.382	0.812	-1.270	2.965	69.000
58	2.900	9.514	18.520	18.515	0.856	-0.730	4.623	66.400
59	2.950	9.678	23.970	23.966	0.605	-0.710	2.524	53.700
60	3.000	9.842	27.110	27.099	0.927	-1.790	3.421	49.500
61	3.050	10.006	27.800	27.786	0.881	-2.300	3.171	50.000
62	3.100	10.170	25.260	25.247	0.621	-2.110	2.460	37.000
63	3.150	10.335	43.940	43.930	0.246	-1.570	0.560	21.800
64	3.200	10.499	51.340	51.340	1.431	0.080	2.787	22.600
65	3.250	10.663	95.650	95.655	1.680	0.870	1.756	19.800
66	3.300	10.827	27.530	27.566	1.578	5.730	5.724	16.500
67	3.350	10.991	16.460	16.499	1.106	6.220	6.704	13.100
68	3.400	11.155	71.170	71.214	1.297	7.090	1.821	16.600
69	3.450	11.319	116.640	116.672	1.597	5.190	1.369	18.800
70	3.500	11.483	79.600	79.622	1.732	3.560	2.175	18.300
71	3.550	11.647	33.840	33.846	1.417	1.030	4.187	30.100
72	3.600	11.811	44.250	44.258	1.128	1.240	2.549	32.700
73	3.650	11.975	45.060	45.069	0.658	1.520	1.460	45.900
74	3.700	12.139	13.120	13.140	0.537	3.270	4.087	42.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	10.740	10.766	0.502	4.100	4.663	43.700
76	3.800	12.467	15.160	15.207	0.537	7.490	3.531	40.300
77	3.850	12.631	23.160	23.208	0.437	7.690	1.883	40.600
78	3.900	12.795	28.540	28.542	0.375	0.340	1.314	40.600
79	3.950	12.959	17.240	17.240	0.311	0.040	1.804	45.300
80	4.000	13.123	53.510	53.510	0.416	-0.010	0.777	46.200
81	4.050	13.287	16.490	16.490	0.513	0.040	3.111	34.900
82	4.100	13.451	12.920	12.921	0.448	0.200	3.467	30.400
83	4.150	13.615	22.530	22.534	0.540	0.680	2.396	38.600
84	4.200	13.779	21.860	21.865	0.533	0.760	2.438	31.800
85	4.250	13.943	9.920	9.940	0.568	3.210	5.714	35.300
86	4.300	14.107	9.460	9.464	0.366	0.680	3.867	34.200
87	4.350	14.271	9.400	9.397	0.359	-0.410	3.820	34.300
88	4.400	14.436	7.340	7.348	0.251	1.260	3.416	44.800
89	4.450	14.600	19.100	19.129	1.118	4.670	5.844	31.200
90	4.500	14.764	90.970	90.983	1.349	2.050	1.483	37.200
91	4.550	14.928	46.640	46.645	1.409	0.820	3.021	39.300
92	4.600	15.092	20.100	20.102	0.661	0.400	3.288	42.400
93	4.650	15.256	5.600	5.604	0.140	0.650	2.498	53.900
94	4.700	15.420	3.180	3.183	0.127	0.550	3.989	66.900
95	4.750	15.584	8.810	8.809	0.276	-0.130	3.133	73.300
96	4.800	15.748	15.060	15.048	0.374	-1.940	2.485	70.000
97	4.850	15.912	16.760	16.737	0.636	-3.750	3.800	63.200
98	4.900	16.076	30.110	30.116	0.682	1.030	2.265	46.400
99	4.950	16.240	20.880	20.896	0.570	2.580	2.728	44.700
100	5.000	16.404	30.780	30.791	0.516	1.710	1.676	40.400
101	5.050	16.568	26.660	26.655	0.285	-0.870	1.069	33.600
102	5.100	16.732	35.730	35.731	0.304	0.110	0.851	27.200
103	5.150	16.896	36.510	36.511	0.417	0.210	1.142	26.200
104	5.200	17.060	24.660	24.664	0.415	0.640	1.683	26.600
105	5.250	17.224	21.420	21.440	0.531	3.150	2.477	26.000
106	5.300	17.388	16.110	16.121	0.475	1.730	2.947	34.100
107	5.350	17.552	7.660	7.670	0.336	1.680	4.380	41.300
108	5.400	17.716	6.510	6.516	0.335	0.920	5.141	59.700
109	5.450	17.880	15.420	15.422	0.196	0.360	1.271	60.900
110	5.500	18.044	5.520	5.542	0.247	3.600	4.456	66.200
111	5.550	18.208	7.310	7.329	0.170	3.060	2.320	74.800
112	5.600	18.372	8.930	8.956	0.198	4.150	2.211	84.100
113	5.650	18.537	9.200	9.244	0.205	7.030	2.218	76.700
114	5.700	18.701	9.800	9.841	0.195	6.520	1.982	80.400
115	5.750	18.865	8.550	8.583	0.192	5.300	2.237	76.800
116	5.800	19.029	7.170	7.171	0.177	0.180	2.468	74.000
117	5.850	19.193	7.210	7.180	0.156	-4.760	2.173	77.300
118	5.900	19.357	5.180	5.129	0.134	-8.100	2.612	67.400
119	5.950	19.521	3.920	3.867	0.099	-8.530	2.560	55.200
120	6.000	19.685	12.600	12.545	0.443	-8.870	3.531	45.900
121	6.050	19.849	27.620	27.583	0.503	-5.860	1.824	46.500
122	6.100	20.013	47.420	47.411	1.458	-1.510	3.075	34.800
123	6.150	20.177	99.120	99.122	2.192	0.300	2.211	41.400
124	6.200	20.341	39.730	39.738	2.314	1.300	5.823	43.200
125	6.250	20.505	21.750	21.774	2.059	3.830	9.456	31.900
126	6.300	20.669	39.780	39.795	1.141	2.430	2.867	29.500
127	6.350	20.833	50.830	50.829	1.015	-0.200	1.997	33.300
128	6.400	20.997	20.750	20.764	1.073	2.290	5.168	23.400
129	6.450	21.161	32.620	32.632	0.950	1.960	2.911	24.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	47.150	47.161	1.262	1.770	2.676	22.100
131	6.550	21.489	55.660	55.675	1.759	2.390	3.159	18.600
132	6.600	21.653	47.940	47.970	1.887	4.800	3.934	20.900
133	6.650	21.817	36.090	36.129	1.670	6.240	4.622	25.800
134	6.700	21.981	30.660	30.689	1.367	4.610	4.454	36.500
135	6.750	22.145	54.160	54.187	1.000	4.340	1.845	30.300
136	6.800	22.309	11.500	11.519	0.808	3.020	7.015	33.900
137	6.850	22.473	4.120	4.133	0.656	2.130	15.871	31.700
138	6.900	22.638	22.470	22.481	0.543	1.700	2.415	29.000
139	6.950	22.802	21.530	21.539	0.567	1.480	2.632	28.700
140	7.000	22.966	17.330	17.343	0.574	2.110	3.310	29.600
141	7.050	23.130	14.150	14.169	0.557	3.080	3.931	30.200
142	7.100	23.294	28.570	28.586	0.654	2.520	2.288	30.000
143	7.150	23.458	35.960	35.981	0.745	3.290	2.071	36.600
144	7.200	23.622	38.640	38.667	1.188	4.320	3.072	57.000
145	7.250	23.786	51.800	51.842	1.341	6.710	2.587	77.300
146	7.300	23.950	54.690	54.728	1.331	6.090	2.432	98.000
147	7.350	24.114	46.520	46.562	1.325	6.680	2.846	107.000
148	7.400	24.278	32.200	32.235	1.153	5.680	3.577	94.200
149	7.450	24.442	18.910	18.939	0.963	4.710	5.085	83.100
150	7.500	24.606	28.560	28.600	1.019	6.390	3.563	60.700
151	7.550	24.770	36.060	36.113	1.303	8.540	3.608	46.700
152	7.600	24.934	43.330	43.379	1.653	7.820	3.811	32.200
153	7.650	25.098	23.650	23.701	1.669	8.240	7.042	28.200
154	7.700	25.262	25.240	25.300	1.673	9.640	6.613	28.500
155	7.750	25.426	23.070	23.115	1.347	7.220	5.827	23.100
156	7.800	25.590	30.060	30.105	1.567	7.210	5.205	19.600
157	7.850	25.754	44.020	44.069	1.772	7.900	4.021	19.800
158	7.900	25.918	54.870	54.922	2.007	8.390	3.654	22.500
159	7.950	26.082	58.630	58.680	2.131	8.040	3.632	17.500
160	8.000	26.246	59.130	59.178	2.091	7.650	3.533	19.800
161	8.050	26.410	56.880	56.925	1.966	7.220	3.454	23.100
162	8.100	26.574	44.950	44.990	1.849	6.340	4.110	29.700
163	8.150	26.739	34.140	34.174	1.601	5.500	4.685	34.400
164	8.200	26.903	29.370	29.407	1.228	5.950	4.176	36.700
165	8.250	27.067	36.810	36.843	1.021	5.250	2.771	35.300
166	8.300	27.231	38.960	38.987	0.980	4.260	2.514	50.400
167	8.350	27.395	25.520	25.542	0.677	3.600	2.650	52.100
168	8.400	27.559	23.810	23.828	0.675	2.960	2.833	52.300
169	8.450	27.723	19.320	19.335	0.444	2.350	2.296	64.600
170	8.500	27.887	20.150	20.164	0.651	2.290	3.228	58.700
171	8.550	28.051	25.890	25.905	0.697	2.350	2.691	60.500
172	8.600	28.215	29.520	29.533	0.707	2.110	2.394	60.600
173	8.650	28.379	26.570	26.583	0.567	2.030	2.133	73.600
174	8.700	28.543	23.210	23.225	0.501	2.350	2.157	61.700
175	8.750	28.707	20.940	20.955	0.472	2.380	2.252	64.800
176	8.800	28.871	19.130	19.144	0.398	2.270	2.079	65.100
177	8.850	29.035	16.930	16.942	0.348	1.960	2.054	64.600
178	8.900	29.199	13.730	13.743	0.332	2.140	2.416	65.300
179	8.950	29.363	15.310	15.324	0.348	2.320	2.271	61.900
180	9.000	29.527	14.910	14.973	0.388	10.050	2.591	42.100
181	9.050	29.691	11.460	11.539	0.316	12.610	2.739	38.100
182	9.100	29.855	16.580	16.654	0.224	11.800	1.345	38.100
183	9.150	30.019	12.560	12.625	0.538	10.350	4.262	40.800
184	9.200	30.183	11.610	11.660	0.662	7.980	5.678	38.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	49.850	49.872	1.044	3.500	2.093	39.800
186	9.300	30.511	49.950	49.979	1.421	4.650	2.843	41.700
187	9.350	30.675	20.720	20.737	1.351	2.740	6.515	40.200
188	9.400	30.840	16.470	16.485	0.706	2.360	4.283	43.300
189	9.450	31.004	24.550	24.572	0.695	3.470	2.828	34.200
190	9.500	31.168	31.480	31.512	0.641	5.130	2.034	29.300
191	9.550	31.332	27.680	27.704	1.127	3.770	4.068	25.100
192	9.600	31.496	44.160	44.182	0.945	3.490	2.139	26.900
193	9.650	31.660	52.250	52.272	1.556	3.540	2.977	19.500
194	9.700	31.824	58.410	58.434	1.795	3.840	3.072	12.800
195	9.750	31.988	62.310	62.332	3.095	3.450	4.965	20.400
196	9.800	32.152	75.880	75.919	2.937	6.320	3.869	20.300
197	9.850	32.316	94.380	94.412	2.652	5.070	2.809	26.300
198	9.900	32.480	75.270	75.308	2.421	6.100	3.215	29.400
199	9.950	32.644	74.500	74.536	2.089	5.690	2.803	34.300
200	10.000	32.808	55.580	55.613	2.059	5.270	3.702	33.000
201	10.050	32.972	48.210	48.246	1.310	5.730	2.715	47.000
202	10.100	33.136	18.350	18.381	1.016	4.980	5.527	42.400
203	10.150	33.300	36.430	36.458	0.741	4.410	2.033	54.100
204	10.200	33.464	24.690	24.722	0.699	5.200	2.827	55.800
205	10.250	33.628	18.260	18.290	0.671	4.820	3.669	49.100
206	10.300	33.792	20.260	20.296	0.568	5.740	2.799	35.500
207	10.350	33.956	24.260	24.298	0.537	6.130	2.210	22.700
208	10.400	34.120	19.790	19.830	0.418	6.450	2.108	21.100
209	10.450	34.284	18.530	18.561	0.567	4.980	3.055	14.100
210	10.500	34.448	14.560	14.586	0.577	4.140	3.956	15.600
211	10.550	34.612	17.390	17.425	0.748	5.600	4.293	13.300
212	10.600	34.776	22.900	22.939	1.234	6.270	5.379	10.100
213	10.650	34.941	27.650	27.700	1.047	8.050	3.780	13.200
214	10.700	35.105	47.680	47.726	1.433	7.310	3.003	7.700
215	10.750	35.269	44.600	44.642	1.206	6.760	2.701	15.500
216	10.800	35.433	33.800	33.844	1.376	7.090	4.066	16.700
217	10.850	35.597	32.400	32.440	1.371	6.340	4.226	17.600
218	10.900	35.761	35.750	35.791	1.286	6.590	3.593	12.000
219	10.950	35.925	39.180	39.222	1.409	6.800	3.592	15.800
220	11.000	36.089	40.390	40.435	0.917	7.130	2.268	13.300
221	11.050	36.253	52.710	52.758	0.877	7.670	1.662	14.500
222	11.100	36.417	22.160	22.201	0.937	6.520	4.221	12.700
223	11.150	36.581	41.750	41.786	0.955	5.800	2.285	16.800
224	11.200	36.745	43.020	43.065	1.104	7.280	2.564	13.700
225	11.250	36.909	48.370	48.411	1.012	6.640	2.090	20.000
226	11.300	37.073	36.230	36.274	1.272	7.090	3.507	11.500
227	11.350	37.237	43.020	43.062	1.413	6.690	3.281	13.800
228	11.400	37.401	52.230	52.279	1.787	7.800	3.418	10.000
229	11.450	37.565	58.820	58.864	1.730	7.020	2.939	13.200
230	11.500	37.729	58.450	58.490	2.484	6.360	4.247	12.200
231	11.550	37.893	56.190	56.223	2.094	5.300	3.724	13.000
232	11.600	38.057	79.190	79.235	2.197	7.210	2.773	16.200
233	11.650	38.221	57.020	57.067	2.429	7.600	4.256	13.400
234	11.700	38.385	48.810	48.850	2.045	6.330	4.186	19.100
235	11.750	38.549	68.240	68.290	1.399	7.980	2.049	22.100
236	11.800	38.713	67.170	67.217	1.398	7.530	2.080	28.900
237	11.850	38.877	69.210	69.252	1.844	6.780	2.663	29.100
238	11.900	39.042	99.430	99.474	1.556	7.050	1.564	40.300
239	11.950	39.206	131.800	131.837	1.845	5.850	1.399	36.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	98.940	98.967	2.414	4.370	2.439	40.600
241	12.050	39.534	84.270	84.289	2.711	3.000	3.216	34.900
242	12.100	39.698	92.060	92.084	2.825	3.860	3.068	28.600
243	12.150	39.862	119.350	119.375	3.006	4.080	2.518	25.000
244	12.200	40.026	126.570	126.603	4.347	5.210	3.434	21.800
245	12.250	40.190	97.550	97.594	5.050	6.980	5.175	25.600
246	12.300	40.354	98.940	99.022	3.705	13.170	3.742	24.400
247	12.350	40.518	115.510	115.605	3.463	15.290	2.996	27.400
248	12.400	40.682	126.950	127.056	3.203	16.910	2.521	27.200
249	12.450	40.846	123.770	123.845	2.442	12.020	1.972	50.200
250	12.500	41.010	76.700	76.754	2.035	8.700	2.651	61.700
251	12.550	41.174	76.020	76.078	1.859	9.310	2.444	66.900
252	12.600	41.338	78.830	78.886	1.714	9.030	2.173	75.900
253	12.650	41.502	103.480	103.537	1.577	9.190	1.523	75.700
254	12.700	41.666	190.520	190.580	1.982	9.650	1.040	76.500
255	12.750	41.830	206.330	206.390	2.332	9.620	1.130	70.200
256	12.800	41.994	187.600	187.659	2.464	9.460	1.313	72.600
257	12.850	42.158	166.750	166.809	2.380	9.410	1.427	75.300
258	12.900	42.322	142.690	142.748	2.241	9.340	1.570	78.200
259	12.950	42.486	121.690	121.748	1.919	9.320	1.576	73.800
260	13.000	42.650	104.740	104.798	1.613	9.220	1.539	59.500
261	13.050	42.814	92.720	92.777	1.236	9.110	1.332	66.300
262	13.100	42.978	85.320	85.376	1.077	8.950	1.261	67.700
263	13.150	43.143	76.400	76.455	0.951	8.830	1.244	62.000
264	13.200	43.307	65.180	65.234	0.980	8.680	1.502	56.100
265	13.250	43.471	52.520	52.573	0.930	8.520	1.769	49.400
266	13.300	43.635	32.080	32.132	0.858	8.340	2.670	42.200
267	13.350	43.799	43.510	43.562	1.166	8.260	2.677	28.500
268	13.400	43.963	50.950	51.002	1.240	8.310	2.431	23.400
269	13.450	44.127	62.700	62.752	1.330	8.340	2.119	23.700
270	13.500	44.291	87.440	87.492	1.744	8.360	1.993	15.600
271	13.550	44.455	86.890	86.933	2.037	6.920	2.343	20.200
272	13.600	44.619	55.500	55.544	1.827	7.110	3.289	14.200
273	13.650	44.783	48.490	48.545	1.281	8.820	2.639	13.500
274	13.700	44.947	44.540	44.595	0.871	8.820	1.953	14.200
275	13.750	45.111	62.840	62.896	0.772	8.920	1.227	14.400
276	13.800	45.275	53.790	53.838	1.234	7.740	2.292	19.700
277	13.850	45.439	48.210	48.255	1.067	7.170	2.211	19.100
278	13.900	45.603	41.020	41.074	1.371	8.710	3.338	29.400
279	13.950	45.767	96.060	96.119	1.524	9.480	1.586	32.400
280	14.000	45.931	63.220	63.283	1.401	10.110	2.214	43.900
281	14.050	46.095	64.680	64.741	1.448	9.740	2.237	38.600
282	14.100	46.259	50.940	51.002	1.086	9.930	2.129	34.900
283	14.150	46.423	27.280	27.341	1.042	9.810	3.811	39.100
284	14.200	46.587	43.240	43.302	0.916	9.920	2.115	30.200
285	14.250	46.751	37.490	37.544	0.865	8.640	2.304	30.600
286	14.300	46.915	22.080	22.131	0.893	8.170	4.035	31.600
287	14.350	47.079	29.850	29.902	0.844	8.280	2.823	23.600
288	14.400	47.244	35.600	35.654	0.982	8.610	2.754	27.000
289	14.450	47.408	19.230	19.285	0.948	8.780	4.916	16.100
290	14.500	47.572	20.150	20.205	0.759	8.890	3.756	14.600
291	14.550	47.736	33.620	33.673	1.400	8.410	4.158	27.200
292	14.600	47.900	50.910	50.960	1.352	8.050	2.653	24.100
293	14.650	48.064	31.800	31.848	1.113	7.700	3.495	20.100
294	14.700	48.228	28.940	28.984	0.792	7.110	2.733	25.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	33.790	33.832	0.490	6.680	1.448	32.900
296	14.800	48.556	12.800	12.840	0.522	6.410	4.065	40.900
297	14.850	48.720	29.180	29.220	0.479	6.470	1.639	46.200
298	14.900	48.884	22.670	22.711	0.481	6.600	2.118	45.100
299	14.950	49.048	16.850	16.891	0.465	6.500	2.753	41.200
300	15.000	49.212	11.940	11.981	0.434	6.580	3.622	46.000
301	15.050	49.376	12.170	12.212	0.405	6.770	3.316	42.600
302	15.100	49.540	12.150	12.191	0.111	6.620	0.910	39.800
303	15.150	49.704	16.270	16.313	0.152	6.910	0.932	37.600
304	15.200	49.868	10.180	10.221	0.202	6.640	1.976	37.800
305	15.250	50.032	17.800	17.842	0.425	6.730	2.382	35.600
306	15.300	50.196	23.210	23.255	0.344	7.270	1.479	40.600
307	15.350	50.360	33.330	33.377	0.383	7.490	1.148	43.200
308	15.400	50.524	52.420	52.467	0.393	7.490	0.749	56.900
309	15.450	50.688	62.690	62.736	0.434	7.420	0.692	46.000
310	15.500	50.852	73.930	73.976	0.631	7.400	0.853	49.100
311	15.550	51.016	84.040	84.086	0.909	7.380	1.081	52.200
312	15.600	51.180	98.740	98.786	1.087	7.410	1.100	56.500
313	15.650	51.345	139.710	139.756	1.340	7.440	0.959	49.900
314	15.700	51.509	214.530	214.577	1.841	7.560	0.858	48.300
315	15.750	51.673	262.220	262.270	2.681	7.950	1.022	0.000
316	15.800	51.837	288.630	288.681	3.887	8.170	1.346	0.000
317	15.850	52.001	303.030	303.083	4.390	8.500	1.448	0.000
318	15.900	52.165	273.970	274.026	4.908	9.030	1.791	0.000
319	15.950	52.329	279.350	279.409	4.918	9.480	1.760	0.000
320	16.000	52.493	270.970	271.031	4.921	9.800	1.816	0.000
321	16.050	52.657	280.540	280.602	4.848	10.000	1.728	0.000
322	16.100	52.821	274.170	274.234	4.694	10.240	1.712	0.000
323	16.150	52.985	267.090	267.156	4.440	10.500	1.662	0.000
324	16.200	53.149	262.750	262.817	4.356	10.660	1.657	0.000
325	16.250	53.313	255.300	255.367	4.594	10.740	1.799	0.000
326	16.300	53.477	220.970	221.038	4.363	10.910	1.974	0.000
327	16.350	53.641	187.410	187.478	3.687	10.840	1.967	0.000
328	16.400	53.805	193.720	193.788	2.802	10.940	1.446	0.000
329	16.450	53.969	354.350	354.418	0.000	10.920	0.000	0.000
330	16.500	54.133	454.350	454.418	0.000	10.950	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221593
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-12-3
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-21-2013
CPT Time:	09:53
CPT File:	13-53075_GP12-3.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722243.739
Northing / Lat:	4294346.180
Elevation:	144.942
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	0.370	0.371	0.065	0.090	17.541	29.200
2	0.100	0.328	92.720	92.766	0.156	7.330	0.168	27.500
3	0.150	0.492	281.270	281.289	0.148	3.090	0.053	31.900
4	0.200	0.656	289.110	289.127	0.169	2.680	0.058	30.000
5	0.250	0.820	227.510	227.538	0.221	4.430	0.097	38.700
6	0.300	0.984	171.110	171.135	0.272	4.030	0.159	42.700
7	0.350	1.148	117.060	117.060	0.618	-0.060	0.528	63.200
8	0.400	1.312	67.630	67.811	0.654	28.950	0.964	73.900
9	0.450	1.476	31.770	31.813	0.684	6.950	2.150	88.900
10	0.500	1.640	30.200	30.252	0.814	8.280	2.691	91.100
11	0.550	1.804	35.760	35.796	1.030	5.770	2.877	86.500
12	0.600	1.968	39.960	40.013	1.155	8.560	2.887	96.100
13	0.650	2.133	57.250	57.223	1.264	-4.330	2.209	108.100
14	0.700	2.297	60.080	60.062	1.486	-2.900	2.474	99.600
15	0.750	2.461	54.910	54.918	1.754	1.240	3.194	121.300
16	0.800	2.625	55.400	55.393	1.767	-1.050	3.190	108.800
17	0.850	2.789	47.230	47.233	1.729	0.450	3.661	117.800
18	0.900	2.953	42.720	42.719	1.797	-0.240	4.207	104.600
19	0.950	3.117	43.690	43.688	1.625	-0.280	3.720	113.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	42.050	42.047	2.059	-0.540	4.897	118.300
21	1.050	3.445	48.130	48.126	0.981	-0.710	2.038	105.200
22	1.100	3.609	73.960	73.975	1.575	2.380	2.129	121.800
23	1.150	3.773	53.870	53.875	2.047	0.870	3.800	109.300
24	1.200	3.937	46.450	46.461	2.184	1.690	4.701	108.200
25	1.250	4.101	44.670	44.671	1.687	0.240	3.776	124.600
26	1.300	4.265	37.850	37.852	1.680	0.360	4.438	103.000
27	1.350	4.429	38.410	38.406	1.579	-0.670	4.111	114.300
28	1.400	4.593	36.260	36.267	1.455	1.180	4.012	102.600
29	1.450	4.757	42.000	42.004	1.172	0.660	2.790	106.900
30	1.500	4.921	45.300	45.321	1.083	3.350	2.390	107.200
31	1.550	5.085	40.480	40.499	1.132	3.020	2.795	91.600
32	1.600	5.249	39.300	39.317	1.468	2.650	3.734	98.900
33	1.650	5.413	42.270	42.275	1.439	0.810	3.404	81.700
34	1.700	5.577	37.980	37.985	0.919	0.870	2.419	86.700
35	1.750	5.741	50.460	50.455	0.642	-0.860	1.272	82.600
36	1.800	5.905	37.980	37.976	0.735	-0.590	1.935	83.100
37	1.850	6.069	43.690	43.710	0.753	3.130	1.723	84.200
38	1.900	6.234	39.820	39.824	0.948	0.700	2.380	76.700
39	1.950	6.398	41.760	41.767	0.817	1.170	1.956	89.600
40	2.000	6.562	39.050	39.067	0.687	2.790	1.758	88.500
41	2.050	6.726	37.910	37.929	0.843	3.050	2.223	76.100
42	2.100	6.890	37.120	37.125	1.007	0.830	2.712	77.500
43	2.150	7.054	38.300	38.299	0.864	-0.230	2.256	77.300
44	2.200	7.218	36.840	36.840	0.771	-0.030	2.093	80.200
45	2.250	7.382	35.180	35.181	0.741	0.150	2.106	70.200
46	2.300	7.546	28.520	28.535	0.769	2.460	2.695	79.200
47	2.350	7.710	24.380	24.382	0.720	0.290	2.953	84.900
48	2.400	7.874	20.570	20.570	0.652	0.020	3.170	68.700
49	2.450	8.038	20.950	20.951	0.740	0.230	3.532	76.900
50	2.500	8.202	21.070	21.070	0.741	-0.030	3.517	74.300
51	2.550	8.366	16.800	16.805	0.799	0.880	4.754	71.400
52	2.600	8.530	17.420	17.422	1.330	0.320	7.634	66.000
53	2.650	8.694	53.650	53.656	1.079	1.040	2.011	69.600
54	2.700	8.858	14.480	14.483	1.128	0.420	7.789	60.400
55	2.750	9.022	13.160	13.160	1.345	-0.020	10.220	73.700
56	2.800	9.186	8.470	8.483	0.317	2.100	3.737	74.100
57	2.850	9.350	6.580	6.609	0.261	4.710	3.949	87.400
58	2.900	9.514	9.990	10.036	0.352	7.310	3.508	86.800
59	2.950	9.678	18.790	18.840	0.597	8.020	3.169	81.900
60	3.000	9.842	34.000	34.066	0.883	10.610	2.592	98.900
61	3.050	10.006	51.260	51.351	0.861	14.510	1.677	87.100
62	3.100	10.170	49.030	49.048	1.020	2.860	2.080	92.200
63	3.150	10.335	46.300	46.282	1.086	-2.810	2.346	92.800
64	3.200	10.499	53.940	53.932	0.996	-1.290	1.847	85.800
65	3.250	10.663	45.730	45.730	0.727	0.040	1.590	84.100
66	3.300	10.827	42.300	42.299	0.550	-0.110	1.300	73.700
67	3.350	10.991	32.230	32.224	0.353	-0.900	1.095	64.900
68	3.400	11.155	21.070	21.061	0.301	-1.380	1.429	50.900
69	3.450	11.319	16.250	16.243	0.293	-1.180	1.804	37.300
70	3.500	11.483	17.280	17.281	0.246	0.180	1.424	38.500
71	3.550	11.647	47.110	47.119	0.356	1.480	0.756	34.500
72	3.600	11.811	58.770	58.764	0.377	-1.020	0.642	38.400
73	3.650	11.975	17.340	17.338	0.405	-0.310	2.336	30.300
74	3.700	12.139	13.490	13.494	0.383	0.660	2.838	34.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	26.820	26.856	0.470	5.820	1.750	37.700
76	3.800	12.467	22.200	22.234	0.471	5.460	2.118	45.000
77	3.850	12.631	9.450	9.480	0.430	4.820	4.536	58.400
78	3.900	12.795	12.840	12.844	0.309	0.660	2.406	62.700
79	3.950	12.959	13.960	13.971	0.282	1.730	2.018	69.500
80	4.000	13.123	13.690	13.710	0.270	3.180	1.969	86.900
81	4.050	13.287	21.380	21.429	0.318	7.860	1.484	81.700
82	4.100	13.451	18.610	18.589	0.363	-3.380	1.953	77.200
83	4.150	13.615	11.250	11.210	0.461	-6.470	4.113	81.600
84	4.200	13.779	10.440	10.441	0.235	0.150	2.251	71.700
85	4.250	13.943	26.510	26.500	0.194	-1.620	0.732	55.700
86	4.300	14.107	40.590	40.593	0.270	0.540	0.665	63.500
87	4.350	14.271	27.770	27.779	0.409	1.480	1.472	69.900
88	4.400	14.436	12.770	12.775	0.465	0.860	3.640	76.500
89	4.450	14.600	24.500	24.522	0.778	3.560	3.173	74.100
90	4.500	14.764	38.180	38.119	0.654	-9.730	1.716	54.200
91	4.550	14.928	18.980	18.967	0.913	-2.010	4.814	42.200
92	4.600	15.092	17.830	17.824	0.375	-0.920	2.104	28.800
93	4.650	15.256	71.710	71.718	0.637	1.340	0.888	33.200
94	4.700	15.420	74.640	74.653	1.162	2.080	1.557	23.800
95	4.750	15.584	78.550	78.555	1.036	0.820	1.319	20.200
96	4.800	15.748	42.880	42.886	1.087	0.890	2.535	17.400
97	4.850	15.912	33.720	33.726	0.941	0.950	2.790	18.100
98	4.900	16.076	20.610	20.631	0.556	3.390	2.695	25.400
99	4.950	16.240	41.280	41.285	0.861	0.740	2.086	26.300
100	5.000	16.404	69.930	69.935	0.840	0.880	1.201	29.500
101	5.050	16.568	19.900	19.933	0.563	5.260	2.824	37.500
102	5.100	16.732	95.890	95.960	0.729	11.180	0.760	36.100
103	5.150	16.896	138.190	138.176	0.671	-2.220	0.486	40.000
104	5.200	17.060	83.880	83.817	0.820	-10.060	0.978	33.200
105	5.250	17.224	57.440	57.379	0.795	-9.710	1.386	54.300
106	5.300	17.388	30.680	30.627	0.778	-8.420	2.540	60.500
107	5.350	17.552	28.090	28.061	0.775	-4.620	2.762	64.000
108	5.400	17.716	17.200	17.182	0.562	-2.840	3.271	87.900
109	5.450	17.880	22.350	22.369	0.558	3.110	2.494	92.600
110	5.500	18.044	53.810	53.847	0.519	5.900	0.964	75.500
111	5.550	18.208	64.220	64.221	1.001	0.200	1.559	92.200
112	5.600	18.372	73.930	73.927	1.020	-0.560	1.380	81.000
113	5.650	18.537	66.500	66.476	1.612	-3.770	2.425	88.900
114	5.700	18.701	62.140	62.064	1.387	-12.250	2.235	89.600
115	5.750	18.865	48.800	48.806	1.284	0.980	2.631	89.900
116	5.800	19.029	39.990	39.965	0.832	-4.060	2.082	90.200
117	5.850	19.193	34.260	34.254	0.579	-1.000	1.690	89.100
118	5.900	19.357	25.330	25.381	0.889	8.090	3.503	77.600
119	5.950	19.521	20.480	20.463	0.930	-2.690	4.545	79.600
120	6.000	19.685	19.180	19.163	0.986	-2.730	5.145	81.100
121	6.050	19.849	42.920	42.904	0.816	-2.580	1.902	80.600
122	6.100	20.013	52.590	52.603	0.856	2.120	1.627	77.000
123	6.150	20.177	88.890	88.901	0.935	1.710	1.052	78.500
124	6.200	20.341	69.970	69.979	0.845	1.440	1.208	72.900
125	6.250	20.505	38.440	38.420	0.751	-3.220	1.955	69.600
126	6.300	20.669	24.050	24.018	0.457	-5.070	1.903	55.500
127	6.350	20.833	14.410	14.375	0.328	-5.560	2.282	60.600
128	6.400	20.997	9.110	9.106	0.118	-0.710	1.296	45.600
129	6.450	21.161	12.760	12.766	0.559	0.900	4.379	35.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	71.160	71.171	0.915	1.840	1.286	23.500
131	6.550	21.489	53.080	53.092	1.393	1.890	2.624	15.700
132	6.600	21.653	37.550	37.554	1.408	0.680	3.749	13.900
133	6.650	21.817	32.620	32.624	0.823	0.600	2.523	14.100
134	6.700	21.981	15.110	15.119	0.741	1.420	4.901	13.800
135	6.750	22.145	34.600	34.627	0.856	4.390	2.472	12.300
136	6.800	22.309	26.740	26.752	0.811	1.990	3.032	13.200
137	6.850	22.473	42.740	42.766	1.054	4.170	2.465	11.400
138	6.900	22.638	62.130	62.167	1.348	5.920	2.168	15.400
139	6.950	22.802	73.340	73.361	1.419	3.400	1.934	9.100
140	7.000	22.966	27.600	27.620	1.337	3.200	4.841	9.100
141	7.050	23.130	50.870	50.892	0.323	3.570	0.635	14.000
142	7.100	23.294	29.530	29.622	0.541	14.810	1.826	9.200
143	7.150	23.458	53.630	53.680	0.710	7.930	1.323	15.900
144	7.200	23.622	42.340	42.369	0.784	4.720	1.850	14.400
145	7.250	23.786	21.990	22.009	0.608	3.040	2.763	18.300
146	7.300	23.950	19.690	19.722	0.561	5.100	2.845	24.100
147	7.350	24.114	32.090	32.106	0.567	2.580	1.766	34.100
148	7.400	24.278	14.350	14.369	0.403	2.970	2.805	44.500
149	7.450	24.442	32.060	32.181	1.001	19.380	3.111	48.900
150	7.500	24.606	52.850	52.835	0.651	-2.390	1.232	38.800
151	7.550	24.770	52.640	52.663	0.864	3.620	1.641	25.400
152	7.600	24.934	45.960	46.000	0.835	6.340	1.815	30.600
153	7.650	25.098	20.060	20.154	0.710	15.040	3.523	20.600
154	7.700	25.262	8.550	8.599	0.626	7.830	7.280	17.400
155	7.750	25.426	13.510	13.581	0.595	11.340	4.381	9.400
156	7.800	25.590	26.950	27.044	0.498	15.050	1.841	15.600
157	7.850	25.754	16.440	16.613	0.543	27.700	3.269	18.000
158	7.900	25.918	15.780	16.061	0.450	45.000	2.802	10.200
159	7.950	26.082	20.360	20.453	0.379	14.820	1.853	13.700
160	8.000	26.246	20.540	20.591	0.441	8.180	2.142	14.000
161	8.050	26.410	15.480	15.515	0.468	5.530	3.017	13.900
162	8.100	26.574	13.440	13.489	0.495	7.770	3.670	11.300
163	8.150	26.739	16.270	16.322	0.593	8.270	3.633	15.200
164	8.200	26.903	21.590	21.661	0.606	11.410	2.798	12.700
165	8.250	27.067	17.890	17.998	0.693	17.240	3.851	14.100
166	8.300	27.231	15.910	15.951	0.607	6.640	3.805	11.500
167	8.350	27.395	24.410	24.467	0.566	9.170	2.313	16.000
168	8.400	27.559	20.140	20.168	0.543	4.560	2.692	12.900
169	8.450	27.723	22.360	22.424	0.581	10.190	2.591	13.500
170	8.500	27.887	19.310	19.359	0.526	7.870	2.717	13.900
171	8.550	28.051	13.890	13.947	0.639	9.170	4.582	15.900
172	8.600	28.215	19.910	19.946	0.715	5.710	3.585	18.400
173	8.650	28.379	16.890	16.959	0.779	11.000	4.594	25.100
174	8.700	28.543	16.740	16.838	0.868	15.680	5.155	21.400
175	8.750	28.707	17.110	17.172	0.727	9.960	4.234	23.000
176	8.800	28.871	25.270	25.401	0.661	20.980	2.602	24.700
177	8.850	29.035	31.540	31.601	0.693	9.760	2.193	21.000
178	8.900	29.199	31.830	31.871	0.599	6.560	1.879	23.600
179	8.950	29.363	32.510	32.595	1.021	13.620	3.132	33.300
180	9.000	29.527	37.280	37.324	0.489	6.970	1.310	37.100
181	9.050	29.691	40.620	40.777	0.348	25.180	0.853	28.300
182	9.100	29.855	132.720	132.792	0.700	11.610	0.527	32.200
183	9.150	30.019	206.470	206.518	0.805	7.680	0.390	25.800
184	9.200	30.183	152.320	152.406	0.958	13.840	0.629	16.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	101.300	101.349	1.068	7.850	1.054	21.500
186	9.300	30.511	64.940	64.984	0.784	7.120	1.206	20.500
187	9.350	30.675	48.190	48.276	0.711	13.790	1.473	25.400
188	9.400	30.840	33.270	33.324	0.838	8.590	2.515	22.300
189	9.450	31.004	23.990	24.083	0.680	14.840	2.824	21.500
190	9.500	31.168	29.420	29.480	0.693	9.660	2.351	21.900
191	9.550	31.332	25.590	25.679	0.724	14.290	2.819	23.200
192	9.600	31.496	37.730	37.802	0.869	11.490	2.299	30.500
193	9.650	31.660	33.190	33.322	1.183	21.110	3.550	28.500
194	9.700	31.824	50.260	50.378	1.367	18.880	2.713	28.300
195	9.750	31.988	27.540	27.705	1.314	26.480	4.743	35.500
196	9.800	32.152	41.580	41.943	1.093	58.070	2.606	48.500
197	9.850	32.316	34.030	34.176	0.999	23.340	2.923	63.500
198	9.900	32.480	18.610	18.703	0.845	14.900	4.518	93.500
199	9.950	32.644	19.950	20.127	0.619	28.320	3.076	110.300
200	10.000	32.808	19.800	19.972	0.638	27.600	3.194	121.400
201	10.050	32.972	29.130	29.135	0.287	0.840	0.985	116.300
202	10.100	33.136	37.000	36.965	0.891	-5.620	2.410	84.600
203	10.150	33.300	48.820	48.789	0.975	-4.890	1.998	80.300
204	10.200	33.464	15.770	15.790	0.930	3.190	5.890	64.600
205	10.250	33.628	13.440	13.472	1.178	5.130	8.744	63.800
206	10.300	33.792	32.540	32.552	0.592	1.970	1.819	60.000
207	10.350	33.956	14.940	14.970	0.694	4.880	4.636	66.600
208	10.400	34.120	16.930	16.981	0.955	8.180	5.624	62.300
209	10.450	34.284	46.730	46.768	1.222	6.060	2.613	50.500
210	10.500	34.448	128.970	128.958	1.383	-1.960	1.072	53.200
211	10.550	34.612	179.600	179.602	2.091	0.320	1.164	51.000
212	10.600	34.776	185.750	185.772	2.355	3.570	1.268	46.400
213	10.650	34.941	176.950	177.000	3.183	8.040	1.798	54.200
214	10.700	35.105	162.820	162.835	3.303	2.400	2.028	66.000
215	10.750	35.269	121.070	121.079	2.730	1.500	2.255	74.000
216	10.800	35.433	96.770	96.767	2.698	-0.540	2.788	76.700
217	10.850	35.597	74.840	74.857	1.863	2.670	2.489	76.600
218	10.900	35.761	44.740	44.755	1.396	2.460	3.119	65.600
219	10.950	35.925	30.140	30.161	1.156	3.290	3.833	63.100
220	11.000	36.089	20.610	20.619	0.786	1.480	3.812	56.500
221	11.050	36.253	16.800	16.797	0.548	-0.550	3.263	41.400
222	11.100	36.417	13.600	13.619	0.416	3.100	3.054	26.700
223	11.150	36.581	11.870	11.891	0.459	3.330	3.860	25.800
224	11.200	36.745	19.000	19.015	1.389	2.390	7.305	17.100
225	11.250	36.909	38.920	38.916	2.107	-0.720	5.414	19.200
226	11.300	37.073	149.580	149.623	1.391	6.860	0.930	15.400
227	11.350	37.237	144.290	144.370	0.151	12.850	0.105	13.000
228	11.400	37.401	93.400	93.528	1.068	20.480	1.142	11.700
229	11.450	37.565	100.360	100.388	1.077	4.440	1.073	9.600
230	11.500	37.729	61.230	61.258	1.629	4.500	2.659	12.900
231	11.550	37.893	58.260	58.292	1.656	5.170	2.841	11.100
232	11.600	38.057	44.220	44.292	1.617	11.520	3.651	8.700
233	11.650	38.221	68.500	68.569	1.315	10.990	1.918	17.100
234	11.700	38.385	97.910	97.975	1.679	10.380	1.714	16.400
235	11.750	38.549	84.590	84.605	1.904	2.350	2.250	17.900
236	11.800	38.713	54.580	54.619	1.464	6.230	2.680	24.000
237	11.850	38.877	61.340	61.390	1.533	8.060	2.497	23.000
238	11.900	39.042	71.270	71.298	1.539	4.480	2.159	30.900
239	11.950	39.206	49.970	50.012	1.240	6.780	2.479	31.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	54.640	54.678	1.588	6.150	2.904	37.000
241	12.050	39.534	46.050	46.066	1.590	2.570	3.452	38.700
242	12.100	39.698	95.460	95.479	2.191	3.020	2.295	49.600
243	12.150	39.862	70.990	71.029	1.869	6.170	2.631	51.000
244	12.200	40.026	57.230	57.251	1.587	3.340	2.772	60.000
245	12.250	40.190	49.890	49.911	0.892	3.370	1.787	49.500
246	12.300	40.354	41.210	41.235	1.027	3.980	2.491	45.800
247	12.350	40.518	48.730	48.761	1.224	4.940	2.510	40.800
248	12.400	40.682	47.600	47.655	1.725	8.760	3.620	36.200
249	12.450	40.846	55.970	56.015	2.123	7.270	3.790	26.500
250	12.500	41.010	42.080	42.225	2.094	23.210	4.959	28.400
251	12.550	41.174	56.760	57.030	2.018	43.320	3.538	31.200
252	12.600	41.338	49.590	49.780	1.961	30.490	3.939	21.000
253	12.650	41.502	50.300	50.630	2.455	52.910	4.849	31.000
254	12.700	41.666	63.190	63.313	2.973	19.770	4.696	24.400
255	12.750	41.830	82.410	82.764	3.618	56.660	4.371	23.000
256	12.800	41.994	96.380	96.480	3.627	16.040	3.759	26.200
257	12.850	42.158	190.450	190.531	3.408	13.000	1.789	26.800
258	12.900	42.322	235.720	235.878	4.764	25.320	2.020	33.300
259	12.950	42.486	214.670	214.765	5.379	15.220	2.505	39.800
260	13.000	42.650	94.140	94.190	4.702	8.060	4.992	52.200
261	13.050	42.814	51.410	52.386	3.179	156.330	6.068	54.100
262	13.100	42.978	46.100	46.393	2.205	46.980	4.753	63.400
263	13.150	43.143	72.960	73.308	1.500	55.820	2.046	63.400
264	13.200	43.307	78.200	78.300	1.348	16.000	1.722	75.100
265	13.250	43.471	89.980	90.048	1.385	10.830	1.538	78.500
266	13.300	43.635	72.660	72.750	1.360	14.380	1.869	93.200
267	13.350	43.799	60.340	60.469	1.331	20.640	2.201	90.800
268	13.400	43.963	58.080	58.359	1.289	44.640	2.209	83.000
269	13.450	44.127	47.120	47.242	1.301	19.480	2.754	87.200
270	13.500	44.291	36.390	36.611	1.065	35.440	2.909	92.300
271	13.550	44.455	36.370	37.039	1.217	107.230	3.286	78.000
272	13.600	44.619	49.990	50.871	1.245	141.130	2.447	60.400
273	13.650	44.783	56.730	57.802	1.369	171.680	2.368	64.600
274	13.700	44.947	57.180	57.936	1.619	121.120	2.794	70.000
275	13.750	45.111	51.560	51.894	1.700	53.540	3.276	61.900
276	13.800	45.275	55.440	55.542	1.601	16.300	2.883	74.100
277	13.850	45.439	51.710	51.781	1.403	11.410	2.709	80.900
278	13.900	45.603	50.700	50.736	1.259	5.800	2.481	83.800
279	13.950	45.767	39.220	39.269	0.637	7.860	1.622	82.000
280	14.000	45.931	85.760	86.111	0.765	56.220	0.888	83.500
281	14.050	46.095	65.630	65.659	1.268	4.700	1.931	78.500
282	14.100	46.259	51.610	51.643	1.092	5.350	2.115	71.500
283	14.150	46.423	55.390	55.471	0.992	13.050	1.788	67.900
284	14.200	46.587	68.190	68.255	0.862	10.420	1.263	63.800
285	14.250	46.751	86.670	86.716	0.666	7.370	0.768	63.100
286	14.300	46.915	104.520	104.566	0.566	7.420	0.541	70.400
287	14.350	47.079	106.090	106.132	0.511	6.710	0.481	64.500
288	14.400	47.244	102.820	102.860	0.577	6.330	0.561	62.700
289	14.450	47.408	106.770	106.809	0.667	6.300	0.624	68.900
290	14.500	47.572	114.400	114.443	0.675	6.850	0.590	65.000
291	14.550	47.736	114.340	114.379	0.751	6.280	0.657	67.800
292	14.600	47.900	109.950	109.982	0.823	5.070	0.748	68.300
293	14.650	48.064	114.500	114.530	0.853	4.860	0.745	69.000
294	14.700	48.228	117.190	117.224	0.865	5.470	0.738	74.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	116.060	116.095	0.796	5.620	0.686	59.700
296	14.800	48.556	110.390	110.420	0.707	4.810	0.640	65.400
297	14.850	48.720	99.760	99.788	0.634	4.440	0.635	67.800
298	14.900	48.884	90.660	90.684	0.586	3.770	0.646	70.800
299	14.950	49.048	90.730	90.755	0.636	4.080	0.701	78.900
300	15.000	49.212	101.000	101.031	0.667	4.980	0.660	61.700
301	15.050	49.376	105.130	105.164	0.659	5.390	0.627	64.200
302	15.100	49.540	109.240	109.271	0.600	5.010	0.549	70.600
303	15.150	49.704	108.370	108.398	0.560	4.490	0.517	57.600
304	15.200	49.868	100.900	100.924	0.523	3.800	0.518	59.100
305	15.250	50.032	93.830	93.850	0.527	3.180	0.562	67.000
306	15.300	50.196	90.360	90.379	0.575	3.100	0.636	70.500
307	15.350	50.360	98.620	98.643	0.619	3.750	0.628	64.100
308	15.400	50.524	110.880	110.909	0.633	4.640	0.571	66.500
309	15.450	50.688	113.380	113.408	0.601	4.540	0.530	67.900
310	15.500	50.852	113.270	113.293	0.567	3.760	0.500	66.800
311	15.550	51.016	114.320	114.341	0.627	3.320	0.548	78.200
312	15.600	51.180	110.530	110.555	0.660	3.950	0.597	72.400
313	15.650	51.345	108.610	108.633	0.667	3.660	0.614	73.500
314	15.700	51.509	108.530	108.551	0.687	3.440	0.633	80.100
315	15.750	51.673	112.250	112.271	0.695	3.330	0.619	73.800
316	15.800	51.837	114.150	114.170	0.616	3.250	0.540	74.900
317	15.850	52.001	109.830	109.848	0.675	2.950	0.614	81.900
318	15.900	52.165	102.560	102.576	0.761	2.560	0.742	72.800
319	15.950	52.329	107.090	107.107	0.959	2.700	0.895	68.200
320	16.000	52.493	136.800	136.823	1.081	3.660	0.790	71.100
321	16.050	52.657	150.140	150.163	0.995	3.760	0.663	62.200
322	16.100	52.821	167.190	167.213	0.867	3.740	0.518	57.600
323	16.150	52.985	169.470	169.494	0.798	3.780	0.471	0.000
324	16.200	53.149	171.570	171.596	0.940	4.090	0.548	0.000
325	16.250	53.313	176.640	176.668	1.086	4.550	0.615	0.000
326	16.300	53.477	189.280	189.310	1.172	4.870	0.619	0.000
327	16.350	53.641	217.860	217.896	1.365	5.750	0.626	0.000
328	16.400	53.805	238.010	238.050	1.571	6.430	0.660	0.000
329	16.450	53.969	227.270	227.315	1.665	7.140	0.732	0.000
330	16.500	54.133	234.330	234.381	1.525	8.200	0.651	0.000
331	16.550	54.297	256.240	256.300	1.463	9.590	0.571	0.000
332	16.600	54.461	224.650	224.711	1.589	9.850	0.707	0.000
333	16.650	54.625	239.030	239.081	1.666	8.150	0.697	0.000
334	16.700	54.789	259.870	259.929	1.623	9.430	0.624	0.000
335	16.750	54.953	308.670	308.742	1.695	11.490	0.549	0.000
336	16.800	55.117	294.040	294.122	1.988	13.120	0.676	0.000
337	16.850	55.281	257.020	257.098	0.000	12.530	0.000	0.000
338	16.900	55.446	240.480	240.565	0.000	13.650	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221595
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-12-4
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-21-2013
CPT Time:	09:53
CPT File:	13-53075_GP12-4.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722247.349
Northing / Lat:	4294334.472
Elevation:	145.097
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
1	0.050	0.164	1.230	1.231	0.002	0.180	0.162	31.600
2	0.100	0.328	22.660	22.682	0.007	3.550	0.031	37.100
3	0.150	0.492	34.690	34.704	0.058	2.230	0.167	46.200
4	0.200	0.656	37.900	37.921	0.143	3.400	0.377	48.800
5	0.250	0.820	54.530	54.540	0.464	1.590	0.851	63.900
6	0.300	0.984	32.490	32.563	0.968	11.630	2.973	63.200
7	0.350	1.148	383.050	383.091	1.102	6.530	0.288	71.700
8	0.400	1.312	197.870	197.888	2.196	2.920	1.110	63.100
9	0.450	1.476	90.110	90.107	1.688	-0.510	1.873	75.900
10	0.500	1.640	27.230	27.239	1.521	1.430	5.584	85.000
11	0.550	1.804	45.210	45.234	2.083	3.820	4.605	75.900
12	0.600	1.968	77.920	77.985	1.755	10.440	2.250	78.200
13	0.650	2.133	175.180	175.296	1.346	18.660	0.768	79.300
14	0.700	2.297	204.150	204.167	1.234	2.680	0.604	68.600
15	0.750	2.461	151.610	151.610	1.298	0.060	0.856	66.700
16	0.800	2.625	117.440	117.443	1.712	0.520	1.458	65.800
17	0.850	2.789	98.120	98.222	1.953	16.310	1.988	67.900
18	0.900	2.953	98.250	98.367	2.305	18.710	2.343	70.700
19	0.950	3.117	117.990	118.058	2.353	10.850	1.993	71.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	157.100	157.117	2.063	2.720	1.313	70.300
21	1.050	3.445	154.500	154.532	2.724	5.200	1.763	64.500
22	1.100	3.609	148.520	148.587	2.590	10.680	1.743	66.100
23	1.150	3.773	130.740	130.752	1.466	1.920	1.121	52.600
24	1.200	3.937	92.640	92.677	0.361	5.900	0.390	67.000
25	1.250	4.101	92.330	92.351	1.205	3.430	1.305	70.200
26	1.300	4.265	72.330	72.334	0.794	0.690	1.098	52.200
27	1.350	4.429	110.070	110.071	0.711	0.100	0.646	78.800
28	1.400	4.593	61.220	61.215	1.816	-0.740	2.967	50.900
29	1.450	4.757	44.450	44.447	1.767	-0.470	3.976	46.100
30	1.500	4.921	93.380	93.380	0.867	-0.010	0.928	61.500
31	1.550	5.085	66.480	66.488	1.757	1.320	2.643	22.300
32	1.600	5.249	67.700	67.704	1.535	0.700	2.267	31.300
33	1.650	5.413	83.870	83.869	1.176	-0.130	1.402	71.600
34	1.700	5.577	58.010	58.012	2.886	0.260	4.975	69.200
35	1.750	5.741	58.180	58.175	2.725	-0.860	4.684	78.700
36	1.800	5.905	94.110	94.124	2.502	2.260	2.658	30.900
37	1.850	6.069	226.960	226.958	2.495	-0.400	1.099	61.400
38	1.900	6.234	229.920	229.919	2.495	-0.200	1.085	9.300
39	1.950	6.398	235.000	235.001	3.050	0.170	1.298	7.400
40	2.000	6.562	235.000	235.001	3.812	0.170	1.622	13.500
41	2.050	6.726	297.300	297.311	2.782	1.790	0.936	9.100
42	2.100	6.890	297.150	297.152	0.793	0.290	0.267	17.500
43	2.150	7.054	257.940	257.943	0.063	0.560	0.024	12.500
44	2.200	7.218	86.170	86.191	8.454	3.370	9.808	6.700
45	2.250	7.382	76.750	76.760	3.084	1.610	4.018	8.200
46	2.300	7.546	309.810	309.810	0.918	0.020	0.296	4.200
47	2.350	7.710	42.880	42.874	0.595	-0.940	1.388	8.000
48	2.400	7.874	6.890	6.885	1.988	-0.820	28.875	4.400
49	2.450	8.038	28.830	28.841	2.859	1.700	9.913	5.000
50	2.500	8.202	119.420	119.415	2.473	-0.750	2.071	66.100
51	2.550	8.366	155.310	155.297	1.683	-2.120	1.084	76.200
52	2.600	8.530	227.320	227.319	2.133	-0.130	0.938	77.200
53	2.650	8.694	72.210	72.207	3.274	-0.550	4.534	81.500
54	2.700	8.858	63.940	63.940	3.045	0.070	4.762	81.100
55	2.750	9.022	50.910	50.924	1.268	2.200	2.490	86.400
56	2.800	9.186	145.010	145.007	0.611	-0.560	0.421	99.600
57	2.850	9.350	145.710	145.714	0.152	0.650	0.104	91.100
58	2.900	9.514	142.390	142.388	2.328	-0.370	1.635	82.000
59	2.950	9.678	124.370	124.367	2.451	-0.430	1.971	86.100
60	3.000	9.842	54.950	54.950	2.748	0.060	5.001	98.300
61	3.050	10.006	52.460	52.457	2.726	-0.470	5.197	83.300
62	3.100	10.170	13.940	13.938	0.771	-0.390	5.532	96.900
63	3.150	10.335	14.440	14.448	0.860	1.240	5.952	94.000
64	3.200	10.499	10.840	10.839	0.817	-0.090	7.537	98.800
65	3.250	10.663	11.990	11.980	0.831	-1.660	6.937	101.400
66	3.300	10.827	14.940	14.896	0.838	-7.030	5.626	91.600
67	3.350	10.991	14.050	13.986	0.889	-10.210	6.356	97.100
68	3.400	11.155	12.780	12.708	0.742	-11.510	5.839	83.300
69	3.450	11.319	9.140	9.082	0.561	-9.260	6.177	90.000
70	3.500	11.483	11.000	10.951	0.497	-7.780	4.538	88.100
71	3.550	11.647	16.640	16.599	0.636	-6.580	3.832	86.200
72	3.600	11.811	20.020	19.987	0.766	-5.360	3.833	77.300
73	3.650	11.975	20.400	20.376	0.803	-3.800	3.941	81.800
74	3.700	12.139	26.150	26.112	0.812	-6.090	3.110	81.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	32.290	32.223	0.773	-10.670	2.399	84.900
76	3.800	12.467	26.520	26.459	0.776	-9.720	2.933	86.600
77	3.850	12.631	23.340	23.280	0.815	-9.540	3.501	97.700
78	3.900	12.795	26.380	26.341	0.906	-6.230	3.439	93.100
79	3.950	12.959	41.350	41.345	1.201	-0.760	2.905	101.200
80	4.000	13.123	55.020	55.025	1.367	0.810	2.484	93.400
81	4.050	13.287	59.640	59.659	1.420	3.110	2.380	90.600
82	4.100	13.451	64.350	64.314	1.350	-5.690	2.099	90.900
83	4.150	13.615	59.240	59.175	1.363	-10.350	2.303	67.600
84	4.200	13.779	48.090	48.010	1.028	-12.800	2.141	60.900
85	4.250	13.943	40.870	40.788	0.695	-13.210	1.704	48.300
86	4.300	14.107	25.420	25.426	0.357	0.920	1.404	35.500
87	4.350	14.271	15.930	15.935	0.199	0.880	1.249	31.400
88	4.400	14.436	12.990	12.998	0.087	1.300	0.669	30.400
89	4.450	14.600	10.040	10.057	0.067	2.750	0.666	32.200
90	4.500	14.764	25.850	25.861	0.130	1.760	0.503	34.700
91	4.550	14.928	73.440	73.445	0.520	0.870	0.708	37.800
92	4.600	15.092	145.020	145.027	0.864	1.120	0.596	29.000
93	4.650	15.256	28.460	28.505	0.812	7.130	2.849	16.600
94	4.700	15.420	19.100	19.130	0.662	4.800	3.461	17.200
95	4.750	15.584	29.730	29.759	1.192	4.680	4.005	15.300
96	4.800	15.748	53.240	53.316	1.858	12.200	3.485	20.700
97	4.850	15.912	99.770	99.842	1.254	11.530	1.256	14.400
98	4.900	16.076	96.050	96.125	0.677	11.960	0.704	20.200
99	4.950	16.240	93.580	93.605	0.546	4.030	0.583	28.000
100	5.000	16.404	96.680	96.706	0.578	4.220	0.598	22.800
101	5.050	16.568	76.590	76.591	1.033	0.100	1.349	29.900
102	5.100	16.732	44.150	44.175	1.219	4.070	2.759	31.100
103	5.150	16.896	24.950	24.962	0.802	1.970	3.213	43.600
104	5.200	17.060	29.560	29.577	0.662	2.660	2.238	58.900
105	5.250	17.224	37.120	37.120	0.531	-0.010	1.430	72.000
106	5.300	17.388	39.090	39.137	0.526	7.550	1.344	74.300
107	5.350	17.552	49.170	49.134	0.584	-5.810	1.189	79.200
108	5.400	17.716	39.290	39.216	0.499	-11.830	1.272	68.800
109	5.450	17.880	30.470	30.396	0.574	-11.870	1.888	69.000
110	5.500	18.044	31.000	30.950	0.632	-7.930	2.042	67.300
111	5.550	18.208	26.480	26.470	0.615	-1.630	2.323	75.200
112	5.600	18.372	34.790	34.761	0.599	-4.640	1.723	73.300
113	5.650	18.537	32.510	32.522	0.495	1.880	1.522	71.500
114	5.700	18.701	22.200	22.197	0.495	-0.490	2.230	79.700
115	5.750	18.865	34.120	34.148	0.389	4.430	1.139	70.300
116	5.800	19.029	38.570	38.556	0.423	-2.210	1.097	72.600
117	5.850	19.193	28.620	28.574	0.435	-7.440	1.522	56.500
118	5.900	19.357	17.640	17.602	0.378	-6.080	2.147	43.900
119	5.950	19.521	25.240	25.250	0.389	1.550	1.541	42.900
120	6.000	19.685	26.820	26.839	0.305	3.090	1.136	33.000
121	6.050	19.849	18.380	18.397	0.417	2.730	2.267	31.700
122	6.100	20.013	18.160	18.162	0.475	0.370	2.615	32.700
123	6.150	20.177	18.300	18.326	0.352	4.150	1.921	28.900
124	6.200	20.341	16.770	16.788	0.425	2.930	2.532	26.400
125	6.250	20.505	17.280	17.288	0.297	1.330	1.718	31.100
126	6.300	20.669	32.930	32.954	0.297	3.830	0.901	22.700
127	6.350	20.833	12.060	12.086	0.319	4.220	2.639	19.900
128	6.400	20.997	19.710	19.730	0.334	3.260	1.693	27.600
129	6.450	21.161	17.110	17.139	0.384	4.670	2.240	31.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	14.200	14.227	0.511	4.320	3.592	30.900
131	6.550	21.489	17.070	17.122	0.408	8.270	2.383	30.800
132	6.600	21.653	22.640	22.676	0.331	5.800	1.460	51.000
133	6.650	21.817	27.140	27.155	0.506	2.420	1.863	56.900
134	6.700	21.981	26.260	26.277	0.513	2.800	1.952	77.800
135	6.750	22.145	27.720	27.750	0.460	4.730	1.658	68.200
136	6.800	22.309	39.420	39.446	0.354	4.240	0.897	77.900
137	6.850	22.473	49.870	49.888	0.376	2.920	0.754	72.400
138	6.900	22.638	26.320	26.305	0.295	-2.480	1.121	69.000
139	6.950	22.802	12.450	12.444	0.229	-0.940	1.840	48.000
140	7.000	22.966	10.950	10.944	0.130	-0.900	1.188	38.600
141	7.050	23.130	19.910	19.922	0.276	1.910	1.385	34.600
142	7.100	23.294	19.150	19.167	0.191	2.700	0.997	29.100
143	7.150	23.458	12.760	12.806	0.472	7.370	3.686	22.000
144	7.200	23.622	69.470	69.498	1.400	4.430	2.014	16.800
145	7.250	23.786	77.880	77.909	1.273	4.660	1.634	13.100
146	7.300	23.950	99.370	99.407	1.529	5.930	1.538	15.000
147	7.350	24.114	158.060	158.138	1.847	12.460	1.168	10.400
148	7.400	24.278	127.830	127.861	2.400	4.900	1.877	13.800
149	7.450	24.442	88.920	89.007	2.458	13.900	2.762	12.200
150	7.500	24.606	59.470	59.491	2.284	3.340	3.839	8.800
151	7.550	24.770	89.390	89.409	1.454	2.970	1.626	11.500
152	7.600	24.934	89.430	89.469	1.014	6.320	1.133	12.100
153	7.650	25.098	103.640	103.702	0.350	9.940	0.338	13.300
154	7.700	25.262	127.850	127.900	0.334	7.970	0.261	12.600
155	7.750	25.426	116.510	116.584	0.080	11.920	0.069	11.600
156	7.800	25.590	95.240	95.278	0.335	6.090	0.352	14.800
157	7.850	25.754	109.730	109.775	0.460	7.170	0.419	13.700
158	7.900	25.918	120.190	120.230	0.303	6.420	0.252	17.300
159	7.950	26.082	90.660	90.697	0.090	5.860	0.099	28.900
160	8.000	26.246	110.990	111.027	0.363	5.910	0.327	30.600
161	8.050	26.410	105.970	106.016	0.330	7.290	0.311	35.700
162	8.100	26.574	142.370	142.428	0.671	9.260	0.471	48.600
163	8.150	26.739	154.060	154.150	0.645	14.430	0.418	63.300
164	8.200	26.903	176.460	176.540	1.150	12.760	0.651	75.600
165	8.250	27.067	123.540	123.689	1.498	23.940	1.211	74.300
166	8.300	27.231	47.530	47.730	1.500	31.960	3.143	61.700
167	8.350	27.395	48.620	48.954	1.209	53.490	2.470	54.500
168	8.400	27.559	38.120	38.176	1.260	9.000	3.300	43.100
169	8.450	27.723	50.520	50.573	1.251	8.430	2.474	26.000
170	8.500	27.887	70.090	70.212	1.398	19.500	1.991	17.400
171	8.550	28.051	65.860	65.942	1.446	13.110	2.193	14.900
172	8.600	28.215	63.480	63.555	1.604	11.940	2.524	16.300
173	8.650	28.379	37.820	37.896	1.013	12.150	2.673	10.400
174	8.700	28.543	23.670	23.723	1.101	8.520	4.641	10.800
175	8.750	28.707	39.240	39.302	1.196	9.990	3.043	11.200
176	8.800	28.871	51.010	51.027	1.688	2.750	3.308	11.200
177	8.850	29.035	74.970	74.984	1.737	2.200	2.317	14.500
178	8.900	29.199	27.330	27.372	1.413	6.800	5.162	10.300
179	8.950	29.363	30.480	30.518	1.147	6.120	3.758	10.100
180	9.000	29.527	53.670	53.722	1.122	8.250	2.089	11.200
181	9.050	29.691	57.530	57.675	1.223	23.150	2.121	10.700
182	9.100	29.855	86.360	86.411	1.201	8.200	1.390	11.300
183	9.150	30.019	83.610	83.712	0.971	16.300	1.160	10.500
184	9.200	30.183	48.690	48.727	1.214	5.850	2.491	11.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	52.070	52.117	1.162	7.580	2.230	12.400
186	9.300	30.511	79.430	79.459	1.248	4.570	1.571	12.400
187	9.350	30.675	96.110	96.503	1.379	63.000	1.429	14.500
188	9.400	30.840	42.420	42.511	1.630	14.500	3.834	20.400
189	9.450	31.004	62.650	62.691	1.409	6.490	2.248	13.700
190	9.500	31.168	43.220	43.279	1.126	9.500	2.602	14.200
191	9.550	31.332	26.470	26.518	0.860	7.660	3.243	16.700
192	9.600	31.496	20.050	20.104	0.623	8.650	3.099	15.400
193	9.650	31.660	19.170	19.227	0.492	9.180	2.559	19.100
194	9.700	31.824	12.750	12.804	0.406	8.600	3.171	19.900
195	9.750	31.988	8.290	8.343	0.274	8.410	3.284	30.300
196	9.800	32.152	12.300	12.356	0.366	8.910	2.962	30.100
197	9.850	32.316	23.440	23.487	0.486	7.530	2.069	24.300
198	9.900	32.480	69.510	69.559	2.449	7.860	3.521	25.700
199	9.950	32.644	169.800	169.918	3.998	18.910	2.353	24.100
200	10.000	32.808	177.380	177.456	3.588	12.230	2.022	27.800
201	10.050	32.972	137.800	137.904	3.728	16.660	2.703	32.900
202	10.100	33.136	47.300	47.351	3.622	8.140	7.649	34.800
203	10.150	33.300	68.910	69.122	3.890	33.980	5.628	41.200
204	10.200	33.464	190.760	190.795	1.455	5.650	0.763	26.600
205	10.250	33.628	228.330	228.362	1.677	5.070	0.734	22.500
206	10.300	33.792	207.910	207.943	3.892	5.310	1.872	22.700
207	10.350	33.956	105.960	105.988	4.247	4.410	4.007	20.900
208	10.400	34.120	43.510	43.541	4.419	5.010	10.149	16.100
209	10.450	34.284	47.740	47.834	2.146	15.090	4.486	17.800
210	10.500	34.448	47.580	47.752	1.219	27.600	2.553	15.000
211	10.550	34.612	35.180	35.608	1.119	68.630	3.143	15.600
212	10.600	34.776	61.510	61.610	0.757	15.980	1.229	14.200
213	10.650	34.941	90.690	90.825	1.390	21.680	1.530	13.700
214	10.700	35.105	67.390	67.437	1.524	7.520	2.260	13.700
215	10.750	35.269	21.130	21.161	1.064	5.000	5.028	13.200
216	10.800	35.433	15.420	15.470	0.409	7.980	2.644	15.600
217	10.850	35.597	30.450	30.495	0.490	7.150	1.607	14.500
218	10.900	35.761	38.140	38.218	0.540	12.420	1.413	15.700
219	10.950	35.925	29.570	29.664	0.944	15.050	3.182	18.000
220	11.000	36.089	45.010	45.130	1.194	19.250	2.646	23.100
221	11.050	36.253	28.300	28.509	1.204	33.450	4.223	30.500
222	11.100	36.417	34.510	34.594	0.999	13.480	2.888	32.500
223	11.150	36.581	33.170	33.312	1.099	22.700	3.299	37.800
224	11.200	36.745	35.170	35.217	1.118	7.500	3.175	27.600
225	11.250	36.909	16.520	16.755	1.292	37.580	7.711	27.100
226	11.300	37.073	29.890	30.358	1.592	74.990	5.244	25.300
227	11.350	37.237	54.350	54.762	1.609	66.020	2.938	35.500
228	11.400	37.401	56.370	56.717	1.768	55.550	3.117	38.700
229	11.450	37.565	31.060	31.206	1.321	23.350	4.233	36.000
230	11.500	37.729	21.370	21.452	1.050	13.140	4.895	42.800
231	11.550	37.893	25.540	25.654	0.864	18.260	3.368	58.800
232	11.600	38.057	41.840	41.985	0.960	23.230	2.287	62.000
233	11.650	38.221	45.880	46.000	1.130	19.160	2.457	93.600
234	11.700	38.385	29.180	29.276	0.888	15.440	3.033	108.100
235	11.750	38.549	17.750	17.837	0.742	13.880	4.160	122.900
236	11.800	38.713	18.790	18.931	0.513	22.550	2.710	99.100
237	11.850	38.877	22.080	22.192	0.646	17.910	2.911	71.700
238	11.900	39.042	30.420	30.488	1.029	10.950	3.375	67.100
239	11.950	39.206	36.460	36.512	1.220	8.250	3.341	76.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	70.550	70.658	1.509	17.250	2.136	87.800
241	12.050	39.534	54.650	54.798	1.610	23.680	2.938	93.100
242	12.100	39.698	50.410	50.526	1.539	18.610	3.046	83.100
243	12.150	39.862	82.140	82.249	1.495	17.510	1.818	76.500
244	12.200	40.026	93.430	93.544	2.263	18.200	2.419	73.000
245	12.250	40.190	90.250	90.351	2.440	16.190	2.701	85.600
246	12.300	40.354	69.610	69.705	2.175	15.140	3.120	93.800
247	12.350	40.518	50.250	50.353	1.864	16.470	3.702	73.100
248	12.400	40.682	38.530	38.660	1.322	20.860	3.420	55.100
249	12.450	40.846	31.000	31.113	0.972	18.180	3.124	51.500
250	12.500	41.010	25.760	25.864	0.681	16.610	2.633	41.100
251	12.550	41.174	34.010	34.105	0.819	15.190	2.401	31.500
252	12.600	41.338	28.810	28.880	1.471	11.180	5.094	33.900
253	12.650	41.502	35.480	35.526	1.645	7.380	4.630	33.600
254	12.700	41.666	45.680	45.734	1.343	8.670	2.937	51.600
255	12.750	41.830	31.840	31.867	1.152	4.370	3.615	54.000
256	12.800	41.994	40.550	40.579	0.655	4.660	1.614	60.000
257	12.850	42.158	59.490	59.511	0.428	3.350	0.719	59.300
258	12.900	42.322	44.830	44.857	0.405	4.370	0.903	61.500
259	12.950	42.486	46.990	47.014	0.344	3.860	0.732	46.900
260	13.000	42.650	48.320	48.355	0.409	5.580	0.846	43.800
261	13.050	42.814	49.850	49.875	0.456	4.000	0.914	35.100
262	13.100	42.978	38.160	38.181	0.383	3.300	1.003	43.400
263	13.150	43.143	26.190	26.204	0.416	2.220	1.588	46.800
264	13.200	43.307	39.570	39.585	0.608	2.430	1.536	46.500
265	13.250	43.471	77.020	77.067	0.940	7.540	1.220	52.600
266	13.300	43.635	118.850	118.882	1.266	5.060	1.065	48.800
267	13.350	43.799	135.960	136.024	1.144	10.260	0.841	54.700
268	13.400	43.963	144.800	144.850	1.152	8.070	0.795	61.300
269	13.450	44.127	141.340	141.391	0.855	8.220	0.605	61.000
270	13.500	44.291	131.840	131.891	0.915	8.220	0.694	64.700
271	13.550	44.455	118.530	118.581	0.960	8.220	0.810	54.200
272	13.600	44.619	103.410	103.461	0.866	8.210	0.837	72.800
273	13.650	44.783	88.710	88.761	0.748	8.130	0.843	61.900
274	13.700	44.947	79.390	79.435	0.612	7.280	0.770	68.900
275	13.750	45.111	66.130	66.174	0.592	7.090	0.895	72.100
276	13.800	45.275	56.360	56.405	0.603	7.160	1.069	80.000
277	13.850	45.439	52.800	52.844	0.583	7.050	1.103	67.400
278	13.900	45.603	49.740	49.783	0.481	6.850	0.966	79.300
279	13.950	45.767	38.240	38.282	0.411	6.710	1.074	67.900
280	14.000	45.931	31.360	31.399	0.276	6.220	0.879	61.400
281	14.050	46.095	23.370	23.386	0.216	2.520	0.924	62.700
282	14.100	46.259	21.570	21.591	0.310	3.340	1.436	49.900
283	14.150	46.423	24.680	24.712	0.191	5.120	0.773	34.500
284	14.200	46.587	16.130	16.154	0.455	3.890	2.817	33.200
285	14.250	46.751	33.510	33.533	0.503	3.690	1.500	25.700
286	14.300	46.915	17.640	17.661	0.703	3.370	3.981	28.200
287	14.350	47.079	35.080	35.106	0.754	4.180	2.148	27.000
288	14.400	47.244	25.410	25.457	0.722	7.520	2.836	32.000
289	14.450	47.408	15.210	15.266	0.673	8.990	4.408	33.900
290	14.500	47.572	22.680	22.704	0.672	3.790	2.960	41.100
291	14.550	47.736	22.630	22.658	0.613	4.450	2.705	55.600
292	14.600	47.900	10.790	10.838	0.530	7.610	4.890	54.100
293	14.650	48.064	12.840	12.893	0.390	8.490	3.025	55.100
294	14.700	48.228	16.590	16.650	0.311	9.550	1.868	62.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	16.820	16.961	0.280	22.600	1.651	68.000
296	14.800	48.556	30.950	31.062	0.538	17.930	1.732	73.900
297	14.850	48.720	62.680	62.804	0.845	19.810	1.345	74.500
298	14.900	48.884	100.960	101.048	1.265	14.130	1.252	74.800
299	14.950	49.048	120.670	120.774	1.175	16.690	0.973	77.800
300	15.000	49.212	106.440	106.530	1.334	14.460	1.252	81.000
301	15.050	49.376	104.510	104.600	1.179	14.380	1.127	77.500
302	15.100	49.540	93.420	93.513	1.050	14.830	1.123	79.700
303	15.150	49.704	73.860	73.951	0.984	14.500	1.331	74.900
304	15.200	49.868	61.260	61.349	0.819	14.270	1.335	65.300
305	15.250	50.032	56.550	56.643	0.696	14.930	1.229	61.300
306	15.300	50.196	41.870	41.960	0.723	14.390	1.723	55.700
307	15.350	50.360	29.200	29.286	0.706	13.760	2.411	39.400
308	15.400	50.524	27.690	27.782	0.680	14.770	2.448	34.700
309	15.450	50.688	46.610	46.705	1.057	15.190	2.263	30.600
310	15.500	50.852	63.430	63.516	1.523	13.710	2.398	25.800
311	15.550	51.016	59.300	59.365	0.767	10.370	1.292	21.400
312	15.600	51.180	50.330	50.397	1.176	10.710	2.333	16.500
313	15.650	51.345	95.650	95.681	1.749	4.990	1.828	24.700
314	15.700	51.509	140.670	140.698	3.571	4.430	2.538	18.200
315	15.750	51.673	186.740	186.766	3.717	4.110	1.990	29.100
316	15.800	51.837	68.180	68.205	3.264	3.980	4.786	32.600
317	15.850	52.001	87.360	87.387	1.918	4.300	2.195	32.400
318	15.900	52.165	23.400	23.436	1.502	5.740	6.409	35.800
319	15.950	52.329	11.810	11.877	0.980	10.690	8.251	26.300
320	16.000	52.493	26.750	26.835	0.546	13.600	2.035	22.600
321	16.050	52.657	40.580	40.624	0.707	7.090	1.740	23.300
322	16.100	52.821	59.300	59.337	1.153	5.970	1.943	21.300
323	16.150	52.985	65.230	65.386	1.301	25.030	1.990	25.500
324	16.200	53.149	46.240	46.380	1.543	22.410	3.327	23.500
325	16.250	53.313	54.140	54.204	1.338	10.330	2.468	20.900
326	16.300	53.477	41.110	41.153	1.299	6.870	3.157	22.400
327	16.350	53.641	51.030	51.137	1.271	17.060	2.486	18.600
328	16.400	53.805	51.500	51.594	1.501	15.010	2.909	22.700
329	16.450	53.969	54.880	54.966	1.583	13.800	2.880	31.000
330	16.500	54.133	46.080	46.159	1.819	12.720	3.941	36.600
331	16.550	54.297	31.860	31.921	1.723	9.790	5.398	46.100
332	16.600	54.461	61.170	61.243	1.166	11.770	1.904	50.700
333	16.650	54.625	66.820	66.908	0.817	14.160	1.221	54.600
334	16.700	54.789	80.290	80.361	0.907	11.350	1.129	0.000
335	16.750	54.953	62.340	62.399	0.799	9.460	1.280	0.000
336	16.800	55.117	84.030	84.115	0.895	13.540	1.064	0.000
337	16.850	55.281	122.060	122.127	0.896	10.760	0.734	0.000
338	16.900	55.446	117.320	117.377	0.992	9.100	0.845	0.000
339	16.950	55.610	104.420	104.472	1.156	8.300	1.107	0.000
340	17.000	55.774	102.410	102.460	1.514	8.040	1.478	0.000
341	17.050	55.938	93.600	93.650	1.458	8.070	1.557	0.000
342	17.100	56.102	142.270	142.330	2.285	9.570	1.605	0.000
343	17.150	56.266	172.340	172.400	1.690	9.610	0.980	0.000
344	17.200	56.430	200.880	200.938	2.832	9.340	1.409	0.000
345	17.250	56.594	227.030	227.070	2.244	6.400	0.988	0.000
346	17.300	56.758	212.720	212.728	3.095	1.350	1.455	0.000
347	17.350	56.922	88.190	88.215	1.835	3.940	2.080	0.000
348	17.400	57.086	126.420	126.412	1.458	-1.330	1.153	0.000
349	17.450	57.250	203.320	203.349	0.000	4.680	0.000	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
350	17.500	57.414	290.450	290.464	0.000	2.310	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221596
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-12-5
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-21-2013
CPT Time:	09:00
CPT File:	13-53075_GP12-5.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722253.444
Northing / Lat:	4294324.396
Elevation:	145.715
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
1	0.050	0.164	23.050	23.054	0.069	0.670	0.299	30.400
2	0.100	0.328	37.850	37.858	0.175	1.250	0.462	11.300
3	0.150	0.492	45.150	45.158	0.167	1.350	0.370	12.600
4	0.200	0.656	50.250	50.256	0.282	0.940	0.561	11.900
5	0.250	0.820	51.220	51.221	0.274	0.240	0.535	36.100
6	0.300	0.984	55.330	55.335	0.481	0.830	0.869	48.900
7	0.350	1.148	85.670	85.672	0.757	0.400	0.884	41.700
8	0.400	1.312	47.910	47.920	0.826	1.610	1.724	65.700
9	0.450	1.476	41.820	41.832	0.926	1.930	2.214	74.800
10	0.500	1.640	44.790	44.804	0.474	2.230	1.058	66.500
11	0.550	1.804	49.240	49.250	0.623	1.660	1.265	79.800
12	0.600	1.968	56.410	56.419	1.214	1.510	2.152	99.600
13	0.650	2.133	62.410	62.433	0.644	3.740	1.032	92.900
14	0.700	2.297	66.910	66.921	0.804	1.700	1.201	90.000
15	0.750	2.461	83.730	83.741	1.418	1.800	1.693	94.300
16	0.800	2.625	66.330	66.360	2.015	4.770	3.036	84.500
17	0.850	2.789	65.680	65.695	1.466	2.460	2.232	82.200
18	0.900	2.953	108.280	108.303	0.601	3.730	0.555	63.300
19	0.950	3.117	49.670	49.678	1.632	1.310	3.285	45.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	43.790	43.800	1.665	1.630	3.801	78.600
21	1.050	3.445	56.810	56.815	2.357	0.820	4.149	72.400
22	1.100	3.609	55.720	55.728	1.851	1.360	3.321	66.200
23	1.150	3.773	94.210	94.226	2.679	2.530	2.843	70.400
24	1.200	3.937	56.570	56.577	1.361	1.090	2.406	68.800
25	1.250	4.101	56.390	56.396	1.953	1.000	3.463	63.900
26	1.300	4.265	67.850	67.848	1.468	-0.310	2.164	67.400
27	1.350	4.429	57.060	57.054	1.671	-0.950	2.929	59.300
28	1.400	4.593	79.710	79.736	1.511	4.210	1.895	56.100
29	1.450	4.757	89.170	89.188	1.736	2.960	1.946	62.700
30	1.500	4.921	55.340	55.345	6.391	0.800	11.548	59.100
31	1.550	5.085	77.290	77.303	7.004	2.120	9.060	62.200
32	1.600	5.249	152.190	152.193	3.895	0.410	2.559	64.100
33	1.650	5.413	227.890	227.897	3.893	1.110	1.708	57.400
34	1.700	5.577	63.900	63.904	5.694	0.710	8.910	75.900
35	1.750	5.741	107.470	107.483	5.357	2.110	4.984	67.600
36	1.800	5.905	105.780	105.783	3.677	0.460	3.476	82.700
37	1.850	6.069	31.080	31.085	1.730	0.830	5.565	83.900
38	1.900	6.234	33.060	33.063	1.083	0.470	3.276	85.100
39	1.950	6.398	25.390	25.390	0.494	0.080	1.946	92.700
40	2.000	6.562	40.510	40.516	0.346	0.990	0.854	86.700
41	2.050	6.726	37.360	37.364	0.290	0.580	0.776	86.400
42	2.100	6.890	30.120	30.124	0.287	0.620	0.953	74.400
43	2.150	7.054	24.100	24.099	0.328	-0.110	1.361	87.600
44	2.200	7.218	16.530	16.539	0.385	1.440	2.328	92.700
45	2.250	7.382	14.010	14.014	0.439	0.680	3.133	89.000
46	2.300	7.546	12.480	12.475	0.414	-0.860	3.319	107.200
47	2.350	7.710	10.990	10.989	0.340	-0.160	3.094	94.200
48	2.400	7.874	11.020	11.014	0.318	-0.970	2.887	98.500
49	2.450	8.038	9.730	9.727	0.269	-0.520	2.766	96.600
50	2.500	8.202	9.290	9.287	0.217	-0.500	2.337	93.100
51	2.550	8.366	10.720	10.716	0.162	-0.670	1.512	89.400
52	2.600	8.530	21.550	21.542	0.648	-1.250	3.008	96.200
53	2.650	8.694	24.000	24.000	0.356	-0.080	1.483	90.600
54	2.700	8.858	5.610	5.611	0.429	0.140	7.646	74.500
55	2.750	9.022	11.440	11.442	0.517	0.380	4.518	88.700
56	2.800	9.186	9.990	9.988	0.405	-0.290	4.055	67.800
57	2.850	9.350	7.180	7.231	0.349	8.160	4.826	65.000
58	2.900	9.514	7.690	7.748	0.227	9.240	2.930	58.700
59	2.950	9.678	8.750	8.817	0.326	10.760	3.697	63.000
60	3.000	9.842	11.880	11.947	0.449	10.660	3.758	72.500
61	3.050	10.006	10.580	10.613	0.443	5.260	4.174	63.700
62	3.100	10.170	10.800	10.878	0.383	12.500	3.521	74.700
63	3.150	10.335	9.520	9.626	0.381	16.980	3.958	78.900
64	3.200	10.499	10.020	10.120	0.500	16.020	4.941	76.300
65	3.250	10.663	16.030	16.145	0.655	18.400	4.057	90.600
66	3.300	10.827	24.420	24.542	0.649	19.570	2.644	89.100
67	3.350	10.991	35.130	35.207	0.774	12.350	2.198	83.300
68	3.400	11.155	39.920	39.972	0.730	8.360	1.826	83.100
69	3.450	11.319	47.660	47.708	0.769	7.740	1.612	89.300
70	3.500	11.483	48.160	48.190	0.702	4.770	1.457	87.700
71	3.550	11.647	49.700	49.732	0.701	5.060	1.410	78.600
72	3.600	11.811	55.190	55.227	0.662	5.860	1.199	79.200
73	3.650	11.975	56.850	56.876	0.568	4.210	0.999	93.700
74	3.700	12.139	68.440	68.462	0.566	3.540	0.827	83.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	72.750	72.774	0.696	3.850	0.956	100.000
76	3.800	12.467	68.250	68.275	1.292	4.030	1.892	80.900
77	3.850	12.631	61.090	61.111	1.240	3.290	2.029	82.000
78	3.900	12.795	43.310	43.338	1.281	4.520	2.956	85.500
79	3.950	12.959	27.030	27.068	1.197	6.070	4.422	92.300
80	4.000	13.123	21.760	21.812	1.070	8.370	4.905	76.900
81	4.050	13.287	26.360	26.399	0.987	6.320	3.739	88.100
82	4.100	13.451	37.990	38.026	0.926	5.720	2.435	91.500
83	4.150	13.615	44.920	44.945	1.054	3.940	2.345	83.900
84	4.200	13.779	54.580	54.600	1.087	3.270	1.991	92.200
85	4.250	13.943	54.300	54.316	1.182	2.590	2.176	84.800
86	4.300	14.107	53.120	53.128	1.230	1.240	2.315	62.200
87	4.350	14.271	60.860	60.870	1.097	1.540	1.802	54.300
88	4.400	14.436	59.280	59.291	0.768	1.710	1.295	50.600
89	4.450	14.600	58.440	58.446	0.788	0.900	1.348	47.300
90	4.500	14.764	50.150	50.154	0.504	0.580	1.005	42.200
91	4.550	14.928	39.680	39.681	0.366	0.240	0.922	45.200
92	4.600	15.092	33.580	33.585	0.359	0.730	1.069	45.900
93	4.650	15.256	26.670	26.671	0.363	0.220	1.361	56.200
94	4.700	15.420	26.720	26.726	0.453	0.980	1.695	60.000
95	4.750	15.584	27.930	27.944	0.587	2.190	2.101	64.800
96	4.800	15.748	33.090	33.098	0.604	1.230	1.825	58.600
97	4.850	15.912	34.840	34.851	0.373	1.750	1.070	45.000
98	4.900	16.076	54.890	54.899	0.559	1.390	1.018	33.800
99	4.950	16.240	59.440	59.440	0.512	0.050	0.861	24.300
100	5.000	16.404	20.220	20.230	0.546	1.670	2.699	19.200
101	5.050	16.568	46.950	46.961	0.696	1.730	1.482	17.200
102	5.100	16.732	40.180	40.214	0.547	5.430	1.360	11.400
103	5.150	16.896	32.780	32.806	0.380	4.180	1.158	17.200
104	5.200	17.060	26.280	26.283	0.292	0.460	1.111	19.600
105	5.250	17.224	26.420	26.428	0.659	1.350	2.494	17.700
106	5.300	17.388	43.800	43.818	1.109	2.900	2.531	22.100
107	5.350	17.552	64.430	64.506	1.570	12.200	2.434	24.500
108	5.400	17.716	58.940	59.120	1.503	28.820	2.542	24.400
109	5.450	17.880	72.280	72.532	1.146	40.410	1.580	38.100
110	5.500	18.044	110.550	110.615	0.617	10.430	0.558	52.500
111	5.550	18.208	115.170	115.219	0.668	7.840	0.580	55.100
112	5.600	18.372	91.510	91.542	1.022	5.190	1.116	65.900
113	5.650	18.537	60.440	60.486	1.441	7.380	2.382	56.500
114	5.700	18.701	45.260	45.308	1.278	7.710	2.821	54.700
115	5.750	18.865	41.360	41.414	1.202	8.690	2.902	45.200
116	5.800	19.029	31.060	31.113	1.009	8.410	3.243	54.200
117	5.850	19.193	22.500	22.571	0.713	11.440	3.159	53.500
118	5.900	19.357	51.070	51.138	0.668	10.860	1.306	69.400
119	5.950	19.521	61.010	61.066	0.871	8.930	1.426	56.500
120	6.000	19.685	52.990	53.037	1.189	7.550	2.242	67.900
121	6.050	19.849	44.160	44.197	1.223	6.000	2.767	49.500
122	6.100	20.013	33.800	33.826	0.951	4.170	2.811	42.100
123	6.150	20.177	33.740	33.774	0.739	5.520	2.188	33.400
124	6.200	20.341	49.570	49.603	0.666	5.220	1.343	25.200
125	6.250	20.505	81.310	81.336	0.714	4.110	0.878	21.600
126	6.300	20.669	48.630	48.660	0.908	4.880	1.866	17.900
127	6.350	20.833	38.340	38.371	1.012	5.030	2.637	18.000
128	6.400	20.997	34.880	34.915	0.679	5.620	1.945	20.600
129	6.450	21.161	46.370	46.410	1.066	6.460	2.297	19.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	55.330	55.365	1.497	5.560	2.704	21.500
131	6.550	21.489	40.950	40.991	1.092	6.550	2.664	22.700
132	6.600	21.653	72.110	72.135	0.637	4.030	0.883	30.900
133	6.650	21.817	60.270	60.283	0.477	2.150	0.791	45.900
134	6.700	21.981	27.610	27.614	0.967	0.690	3.502	47.600
135	6.750	22.145	21.310	21.368	0.550	9.310	2.574	68.200
136	6.800	22.309	30.510	30.573	0.566	10.130	1.851	59.900
137	6.850	22.473	91.750	91.799	0.463	7.830	0.504	84.500
138	6.900	22.638	125.500	125.550	0.890	8.080	0.709	87.600
139	6.950	22.802	107.100	107.128	1.480	4.440	1.382	83.200
140	7.000	22.966	112.490	112.530	1.782	6.340	1.584	75.900
141	7.050	23.130	88.150	88.182	1.813	5.100	2.056	81.300
142	7.100	23.294	66.540	66.571	1.584	4.940	2.379	73.600
143	7.150	23.458	57.940	57.972	1.638	5.140	2.825	47.600
144	7.200	23.622	51.750	51.770	1.310	3.230	2.530	36.700
145	7.250	23.786	35.720	35.762	1.362	6.780	3.808	27.600
146	7.300	23.950	80.370	80.413	1.784	6.840	2.219	24.300
147	7.350	24.114	77.440	77.485	1.952	7.250	2.519	19.000
148	7.400	24.278	74.780	74.834	2.059	8.700	2.751	20.800
149	7.450	24.442	48.230	48.286	1.681	8.920	3.481	24.200
150	7.500	24.606	12.730	12.779	0.694	7.870	5.431	19.900
151	7.550	24.770	26.410	26.487	0.856	12.350	3.232	20.200
152	7.600	24.934	19.120	19.160	0.830	6.430	4.332	22.500
153	7.650	25.098	72.780	72.817	1.091	5.930	1.498	11.000
154	7.700	25.262	46.560	46.626	1.131	10.620	2.426	13.000
155	7.750	25.426	33.410	33.477	0.986	10.660	2.945	13.300
156	7.800	25.590	29.150	29.214	0.767	10.200	2.625	14.900
157	7.850	25.754	29.750	29.802	0.931	8.270	3.124	19.400
158	7.900	25.918	33.250	33.299	1.206	7.810	3.622	22.200
159	7.950	26.082	58.460	58.519	1.147	9.390	1.960	27.300
160	8.000	26.246	111.200	111.257	1.041	9.060	0.936	34.600
161	8.050	26.410	68.330	68.398	1.112	10.960	1.626	49.300
162	8.100	26.574	51.060	51.101	1.039	6.610	2.033	61.200
163	8.150	26.739	58.490	58.542	0.853	8.390	1.457	53.700
164	8.200	26.903	67.260	67.310	0.842	7.950	1.251	62.700
165	8.250	27.067	44.690	44.738	0.909	7.610	2.032	58.100
166	8.300	27.231	21.570	21.615	0.839	7.160	3.882	61.100
167	8.350	27.395	16.770	16.807	0.683	5.940	4.064	42.000
168	8.400	27.559	37.330	37.385	0.976	8.780	2.611	38.000
169	8.450	27.723	48.970	49.034	1.003	10.200	2.046	27.000
170	8.500	27.887	56.430	56.490	1.095	9.590	1.938	29.800
171	8.550	28.051	58.710	58.748	1.037	6.160	1.765	23.900
172	8.600	28.215	64.940	64.966	0.951	4.200	1.464	24.100
173	8.650	28.379	45.320	45.363	1.064	6.850	2.346	24.900
174	8.700	28.543	63.530	63.568	1.494	6.150	2.350	16.700
175	8.750	28.707	45.410	45.467	1.279	9.130	2.813	15.500
176	8.800	28.871	97.940	97.980	2.179	6.400	2.224	10.600
177	8.850	29.035	85.030	85.071	1.938	6.490	2.278	12.400
178	8.900	29.199	42.730	42.766	1.949	5.820	4.557	16.100
179	8.950	29.363	54.480	54.514	1.228	5.370	2.253	19.800
180	9.000	29.527	83.280	83.303	1.042	3.620	1.251	17.000
181	9.050	29.691	101.030	101.094	1.377	10.310	1.362	17.700
182	9.100	29.855	116.010	116.058	1.126	7.610	0.970	15.000
183	9.150	30.019	101.350	101.454	0.835	16.590	0.823	11.300
184	9.200	30.183	70.480	70.617	0.734	21.950	1.039	11.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	44.480	44.669	0.619	30.220	1.386	14.000
186	9.300	30.511	37.600	37.762	0.463	26.000	1.226	14.300
187	9.350	30.675	39.570	39.672	0.555	16.400	1.399	16.800
188	9.400	30.840	36.810	36.890	0.408	12.820	1.106	19.800
189	9.450	31.004	81.960	82.035	0.725	12.000	0.884	19.800
190	9.500	31.168	94.840	94.885	0.718	7.270	0.757	31.500
191	9.550	31.332	42.210	42.320	1.123	17.570	2.654	33.300
192	9.600	31.496	40.520	40.597	0.921	12.260	2.269	34.300
193	9.650	31.660	86.790	86.939	1.473	23.820	1.694	40.000
194	9.700	31.824	61.810	61.987	1.233	28.290	1.989	50.100
195	9.750	31.988	55.920	56.080	0.868	25.660	1.548	73.600
196	9.800	32.152	100.760	100.909	0.913	23.790	0.905	63.400
197	9.850	32.316	85.540	85.613	0.567	11.700	0.662	63.100
198	9.900	32.480	114.440	114.480	1.042	6.340	0.910	67.700
199	9.950	32.644	88.760	88.784	1.534	3.810	1.728	55.000
200	10.000	32.808	127.920	127.966	1.307	7.360	1.021	47.900
201	10.050	32.972	88.220	88.260	1.281	6.330	1.451	56.100
202	10.100	33.136	92.780	92.821	0.749	6.580	0.807	37.900
203	10.150	33.300	75.000	75.087	0.894	13.860	1.191	25.700
204	10.200	33.464	50.590	50.736	1.042	23.310	2.054	17.600
205	10.250	33.628	56.410	56.503	0.783	14.820	1.386	20.200
206	10.300	33.792	37.590	37.643	0.768	8.490	2.040	13.800
207	10.350	33.956	26.090	26.195	1.125	16.870	4.295	15.600
208	10.400	34.120	36.630	36.739	1.003	17.530	2.730	16.500
209	10.450	34.284	76.330	76.462	0.487	21.170	0.637	15.500
210	10.500	34.448	43.660	43.785	0.406	20.080	0.927	16.400
211	10.550	34.612	44.820	44.924	0.660	16.720	1.469	18.300
212	10.600	34.776	74.110	74.214	0.526	16.690	0.709	20.000
213	10.650	34.941	42.700	42.798	0.847	15.680	1.979	20.600
214	10.700	35.105	46.540	46.642	0.741	16.270	1.589	23.600
215	10.750	35.269	52.860	52.983	0.764	19.780	1.442	29.200
216	10.800	35.433	97.410	97.536	0.761	20.260	0.780	45.300
217	10.850	35.597	70.630	70.744	0.907	18.220	1.282	55.300
218	10.900	35.761	68.620	68.681	0.812	9.810	1.182	71.800
219	10.950	35.925	36.500	36.559	0.648	9.460	1.772	83.700
220	11.000	36.089	36.460	36.518	0.745	9.220	2.040	87.700
221	11.050	36.253	59.810	59.861	0.582	8.240	0.972	81.200
222	11.100	36.417	36.080	36.142	0.617	10.000	1.707	90.700
223	11.150	36.581	32.810	32.926	0.736	18.600	2.235	101.400
224	11.200	36.745	48.240	48.353	0.496	18.160	1.026	92.600
225	11.250	36.909	41.270	41.381	0.741	17.740	1.791	87.100
226	11.300	37.073	35.170	35.295	0.521	19.950	1.476	74.500
227	11.350	37.237	30.970	31.087	0.489	18.770	1.573	47.900
228	11.400	37.401	42.700	42.788	0.368	14.170	0.860	25.500
229	11.450	37.565	38.510	38.599	0.290	14.300	0.751	3.300
230	11.500	37.729	17.770	17.830	0.282	9.660	1.582	2.600
231	11.550	37.893	17.370	17.422	0.190	8.340	1.091	2.700
232	11.600	38.057	28.920	28.967	0.377	7.600	1.301	1.800
233	11.650	38.221	40.600	40.650	0.576	8.070	1.417	0.900
234	11.700	38.385	63.300	63.345	0.739	7.280	1.167	1.300
235	11.750	38.549	49.150	49.206	0.704	8.920	1.431	1.100
236	11.800	38.713	38.180	38.229	0.620	7.780	1.622	1.800
237	11.850	38.877	42.830	42.896	0.508	10.570	1.184	14.600
238	11.900	39.042	31.070	31.162	0.558	14.710	1.791	20.800
239	11.950	39.206	20.370	20.461	0.461	14.640	2.253	14.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	20.220	20.279	0.426	9.460	2.101	18.100
241	12.050	39.534	26.810	26.861	0.228	8.170	0.849	14.300
242	12.100	39.698	21.830	21.867	0.339	5.950	1.550	0.000
243	12.150	39.862	32.740	32.773	0.455	5.340	1.388	0.000
244	12.200	40.026	50.560	50.600	0.576	6.390	1.138	0.000
245	12.250	40.190	57.210	57.264	0.420	8.680	0.733	0.000
246	12.300	40.354	57.900	57.958	0.740	9.260	1.277	0.000
247	12.350	40.518	29.770	29.820	0.725	8.040	2.431	0.000
248	12.400	40.682	79.840	79.892	0.627	8.310	0.785	0.000
249	12.450	40.846	141.180	141.245	0.795	10.440	0.563	0.000
250	12.500	41.010	114.500	114.583	0.984	13.360	0.859	0.000
251	12.550	41.174	44.800	44.858	0.722	9.320	1.610	0.000
252	12.600	41.338	31.040	31.106	0.505	10.620	1.623	0.000
253	12.650	41.502	53.610	53.683	0.911	11.700	1.697	0.000
254	12.700	41.666	88.680	88.744	2.058	10.230	2.319	0.000
255	12.750	41.830	220.710	220.769	1.067	9.480	0.483	0.000
256	12.800	41.994	443.910	443.980	0.000	11.170	0.000	0.000
257	12.850	42.158	392.120	392.179	0.000	9.520	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221598
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-12-6
Cone ID:	268:T1500F15U500
Operator:	BM/JT/YB
CPT Date:	Nov-18-2013
CPT Time:	08:18
CPT File:	13-53075_GP12-6.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722257.566
Northing / Lat:	4294306.254
Elevation:	145.871
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
1	0.050	0.164	1.610	1.610	0.055	-0.020	3.416	2.900
2	0.100	0.328	16.000	16.002	0.145	0.310	0.906	1.200
3	0.150	0.492	32.050	32.052	0.129	0.250	0.402	2.900
4	0.200	0.656	38.090	38.092	0.176	0.320	0.462	4.700
5	0.250	0.820	47.820	47.823	0.350	0.430	0.732	4.700
6	0.300	0.984	46.760	46.764	0.416	0.680	0.890	4.600
7	0.350	1.148	25.290	25.291	0.371	0.160	1.467	4.100
8	0.400	1.312	23.340	23.342	0.318	0.250	1.362	4.700
9	0.450	1.476	24.490	24.489	0.254	-0.120	1.037	4.600
10	0.500	1.640	25.590	25.589	0.252	-0.170	0.985	7.700
11	0.550	1.804	25.570	25.568	0.300	-0.360	1.173	5.800
12	0.600	1.968	39.060	39.058	0.387	-0.320	0.991	7.000
13	0.650	2.133	45.670	45.671	0.473	0.130	1.036	5.900
14	0.700	2.297	50.900	50.902	0.668	0.390	1.312	5.800
15	0.750	2.461	67.000	67.002	0.842	0.400	1.257	7.600
16	0.800	2.625	110.240	110.248	1.324	1.280	1.201	5.300
17	0.850	2.789	95.960	95.971	1.527	1.750	1.591	7.500
18	0.900	2.953	59.770	59.783	1.608	2.120	2.690	2.200
19	0.950	3.117	36.450	36.464	1.627	2.180	4.462	7.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	30.950	30.971	1.167	3.400	3.768	5.000
21	1.050	3.445	31.570	31.596	1.140	4.100	3.608	6.200
22	1.100	3.609	52.000	52.027	1.240	4.250	2.383	3.400
23	1.150	3.773	49.770	49.792	1.155	3.520	2.320	3.500
24	1.200	3.937	57.360	57.380	1.488	3.170	2.593	7.000
25	1.250	4.101	49.030	49.029	1.352	-0.120	2.758	6.000
26	1.300	4.265	31.700	31.718	1.280	2.890	4.036	6.400
27	1.350	4.429	28.480	28.514	0.995	5.400	3.490	57.800
28	1.400	4.593	21.370	21.404	0.737	5.500	3.443	85.800
29	1.450	4.757	15.600	15.630	0.680	4.760	4.351	79.300
30	1.500	4.921	20.250	20.284	0.869	5.460	4.284	84.000
31	1.550	5.085	21.610	21.648	0.898	6.040	4.148	72.700
32	1.600	5.249	41.970	41.990	0.677	3.270	1.612	68.600
33	1.650	5.413	61.100	61.117	1.728	2.710	2.827	72.400
34	1.700	5.577	72.060	72.075	1.590	2.420	2.206	69.900
35	1.750	5.741	14.770	14.781	1.561	1.840	10.561	76.700
36	1.800	5.905	23.750	23.761	1.979	1.740	8.329	69.400
37	1.850	6.069	26.640	26.650	0.535	1.540	2.008	71.300
38	1.900	6.234	17.810	17.815	0.517	0.860	2.902	68.700
39	1.950	6.398	15.260	15.260	1.138	-0.050	7.458	58.300
40	2.000	6.562	16.050	16.048	1.149	-0.370	7.160	69.400
41	2.050	6.726	263.180	263.180	1.082	-0.010	0.411	59.600
42	2.100	6.890	306.930	306.932	3.932	0.280	1.281	64.500
43	2.150	7.054	160.140	160.149	6.281	1.410	3.922	52.800
44	2.200	7.218	113.910	113.912	5.127	0.260	4.501	51.600
45	2.250	7.382	74.890	74.891	1.920	0.100	2.564	63.500
46	2.300	7.546	71.460	71.458	1.369	-0.320	1.916	63.900
47	2.350	7.710	54.070	54.068	1.311	-0.310	2.425	63.200
48	2.400	7.874	51.460	51.458	1.296	-0.390	2.519	52.900
49	2.450	8.038	40.420	40.419	0.627	-0.170	1.551	73.500
50	2.500	8.202	33.950	33.945	0.446	-0.750	1.314	61.100
51	2.550	8.366	30.780	30.780	1.134	-0.070	3.684	59.300
52	2.600	8.530	26.490	26.482	0.842	-1.320	3.180	67.500
53	2.650	8.694	15.010	15.012	0.840	0.250	5.596	66.000
54	2.700	8.858	17.060	17.060	0.527	0.050	3.089	69.800
55	2.750	9.022	13.990	13.995	0.433	0.740	3.094	66.700
56	2.800	9.186	11.290	11.275	0.309	-2.460	2.741	6.800
57	2.850	9.350	10.400	10.389	0.317	-1.750	3.051	10.200
58	2.900	9.514	11.880	11.878	0.260	-0.250	2.189	6.900
59	2.950	9.678	12.220	12.211	0.244	-1.390	1.998	5.700
60	3.000	9.842	10.110	10.095	0.240	-2.350	2.377	6.400
61	3.050	10.006	10.700	10.689	0.257	-1.780	2.404	8.100
62	3.100	10.170	12.960	12.947	0.290	-2.080	2.240	6.400
63	3.150	10.335	11.750	11.721	0.317	-4.640	2.705	5.300
64	3.200	10.499	10.970	10.940	0.329	-4.820	3.007	10.000
65	3.250	10.663	10.370	10.334	0.280	-5.740	2.709	5.900
66	3.300	10.827	9.910	9.873	0.224	-5.930	2.269	5.300
67	3.350	10.991	11.710	11.671	0.211	-6.310	1.808	6.700
68	3.400	11.155	13.730	13.724	0.302	-0.990	2.201	28.900
69	3.450	11.319	13.790	13.784	0.327	-0.920	2.372	72.400
70	3.500	11.483	15.510	15.514	0.348	0.610	2.243	71.400
71	3.550	11.647	19.630	19.610	0.514	-3.170	2.621	79.800
72	3.600	11.811	20.340	20.317	0.630	-3.750	3.101	75.300
73	3.650	11.975	17.230	17.203	0.502	-4.340	2.918	74.100
74	3.700	12.139	15.170	15.129	0.430	-6.620	2.842	74.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	11.410	11.362	0.309	-7.700	2.720	62.200
76	3.800	12.467	9.570	9.538	0.291	-5.090	3.051	67.300
77	3.850	12.631	9.040	8.997	0.244	-6.880	2.712	61.100
78	3.900	12.795	9.370	9.337	0.198	-5.350	2.121	64.200
79	3.950	12.959	10.690	10.647	0.350	-6.930	3.287	60.200
80	4.000	13.123	15.210	15.167	0.555	-6.930	3.659	80.100
81	4.050	13.287	34.110	34.044	1.193	-10.520	3.504	53.000
82	4.100	13.451	51.350	51.265	1.622	-13.660	3.164	64.700
83	4.150	13.615	226.780	226.777	2.228	-0.550	0.982	64.000
84	4.200	13.779	222.620	222.616	2.178	-0.710	0.978	46.200
85	4.250	13.943	204.850	204.848	1.296	-0.400	0.633	38.000
86	4.300	14.107	113.370	113.368	2.758	-0.390	2.433	48.800
87	4.350	14.271	68.510	68.510	2.761	-0.060	4.030	58.600
88	4.400	14.436	24.050	24.045	2.785	-0.880	11.583	67.600
89	4.450	14.600	36.820	36.751	0.232	-11.120	0.631	79.900
90	4.500	14.764	19.890	19.825	0.166	-10.430	0.837	79.300
91	4.550	14.928	15.140	15.076	0.221	-10.220	1.466	76.900
92	4.600	15.092	18.220	18.180	0.212	-6.480	1.166	71.700
93	4.650	15.256	18.460	18.417	0.163	-6.810	0.885	83.600
94	4.700	15.420	13.390	13.349	0.135	-6.490	1.011	74.100
95	4.750	15.584	18.460	18.422	0.164	-6.090	0.890	77.600
96	4.800	15.748	19.050	19.013	0.111	-5.940	0.584	80.500
97	4.850	15.912	10.300	10.263	0.115	-5.920	1.121	76.400
98	4.900	16.076	8.000	7.968	0.109	-5.070	1.368	78.200
99	4.950	16.240	7.250	7.225	0.091	-3.980	1.259	91.800
100	5.000	16.404	7.360	7.340	0.099	-3.170	1.349	84.600
101	5.050	16.568	8.150	8.136	0.101	-2.320	1.241	74.900
102	5.100	16.732	8.250	8.242	0.113	-1.290	1.371	88.500
103	5.150	16.896	9.170	9.166	0.090	-0.650	0.982	73.800
104	5.200	17.060	8.120	8.120	0.120	-0.030	1.478	73.000
105	5.250	17.224	11.060	11.067	0.221	1.110	1.997	86.900
106	5.300	17.388	16.520	16.532	0.314	1.920	1.899	84.800
107	5.350	17.552	20.530	20.541	0.383	1.810	1.865	77.500
108	5.400	17.716	20.810	20.817	0.441	1.100	2.118	73.900
109	5.450	17.880	16.620	16.619	0.451	-0.140	2.714	67.800
110	5.500	18.044	15.690	15.689	0.254	-0.130	1.619	59.100
111	5.550	18.208	24.290	24.283	0.233	-1.060	0.960	75.800
112	5.600	18.372	26.850	26.821	0.491	-4.630	1.831	58.900
113	5.650	18.537	17.540	17.558	0.548	2.830	3.121	43.700
114	5.700	18.701	11.190	11.208	0.527	2.860	4.702	41.500
115	5.750	18.865	10.680	10.711	0.247	4.970	2.306	26.400
116	5.800	19.029	12.980	13.016	0.208	5.780	1.598	24.700
117	5.850	19.193	17.600	17.619	0.126	3.030	0.715	24.600
118	5.900	19.357	31.250	31.266	0.262	2.490	0.838	25.300
119	5.950	19.521	45.140	45.164	0.604	3.850	1.337	18.600
120	6.000	19.685	22.540	22.557	0.750	2.660	3.325	15.300
121	6.050	19.849	16.740	16.768	0.783	4.530	4.670	16.500
122	6.100	20.013	19.720	19.752	0.647	5.140	3.276	14.200
123	6.150	20.177	26.190	26.204	0.740	2.170	2.824	14.700
124	6.200	20.341	27.060	27.097	0.762	6.000	2.812	18.300
125	6.250	20.505	25.250	25.292	0.775	6.800	3.064	25.400
126	6.300	20.669	14.830	14.873	0.971	6.890	6.529	21.000
127	6.350	20.833	44.720	44.775	1.122	8.740	2.506	28.300
128	6.400	20.997	50.120	50.191	1.142	11.410	2.275	16.800
129	6.450	21.161	32.340	32.368	1.398	4.450	4.319	27.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	38.430	38.455	1.577	3.970	4.101	48.300
131	6.550	21.489	66.730	66.763	1.505	5.210	2.254	55.700
132	6.600	21.653	75.730	75.772	1.597	6.770	2.108	62.100
133	6.650	21.817	45.130	45.171	1.112	6.530	2.462	75.100
134	6.700	21.981	68.250	68.287	0.761	5.870	1.114	76.400
135	6.750	22.145	103.230	103.255	0.978	4.040	0.947	93.700
136	6.800	22.309	117.030	117.025	1.126	-0.770	0.962	83.600
137	6.850	22.473	123.440	123.431	1.257	-1.420	1.018	90.200
138	6.900	22.638	125.850	125.839	1.357	-1.810	1.078	88.300
139	6.950	22.802	124.950	124.939	1.430	-1.770	1.145	88.100
140	7.000	22.966	125.530	125.520	1.672	-1.650	1.332	86.000
141	7.050	23.130	104.330	104.320	2.254	-1.620	2.161	106.300
142	7.100	23.294	76.360	76.349	2.517	-1.820	3.297	92.800
143	7.150	23.458	66.940	66.927	2.186	-2.060	3.266	75.300
144	7.200	23.622	56.670	56.655	1.752	-2.410	3.092	77.100
145	7.250	23.786	37.320	37.294	1.136	-4.220	3.046	55.400
146	7.300	23.950	36.070	36.033	0.681	-5.890	1.890	56.500
147	7.350	24.114	32.590	32.631	0.385	6.630	1.180	43.100
148	7.400	24.278	32.300	32.358	0.391	9.290	1.208	26.700
149	7.450	24.442	48.820	48.866	0.567	7.380	1.160	24.100
150	7.500	24.606	61.180	61.240	1.382	9.600	2.257	26.000
151	7.550	24.770	77.400	77.456	1.765	8.910	2.279	26.000
152	7.600	24.934	31.750	31.798	1.872	7.700	5.887	21.600
153	7.650	25.098	39.000	39.054	1.723	8.600	4.412	29.800
154	7.700	25.262	45.030	45.090	1.062	9.550	2.355	40.000
155	7.750	25.426	82.260	82.319	1.230	9.420	1.494	40.300
156	7.800	25.590	83.480	83.535	1.275	8.810	1.526	59.500
157	7.850	25.754	59.440	59.513	1.477	11.690	2.482	67.600
158	7.900	25.918	40.120	40.198	1.478	12.490	3.677	80.900
159	7.950	26.082	46.420	46.504	1.463	13.440	3.146	90.800
160	8.000	26.246	86.590	86.679	1.539	14.280	1.776	90.700
161	8.050	26.410	105.130	105.195	2.424	10.390	2.304	75.900
162	8.100	26.574	93.440	93.490	2.694	8.080	2.882	88.600
163	8.150	26.739	76.850	76.898	2.602	7.710	3.384	87.200
164	8.200	26.903	82.260	82.319	2.384	9.520	2.896	90.000
165	8.250	27.067	94.410	94.472	2.109	10.000	2.232	90.700
166	8.300	27.231	87.170	87.225	2.256	8.750	2.586	87.800
167	8.350	27.395	77.450	77.497	1.841	7.460	2.376	63.400
168	8.400	27.559	25.430	25.458	1.218	4.550	4.784	76.800
169	8.450	27.723	42.370	42.455	0.606	13.690	1.427	66.400
170	8.500	27.887	29.360	29.433	0.597	11.680	2.028	56.900
171	8.550	28.051	33.980	34.052	0.737	11.510	2.164	43.900
172	8.600	28.215	43.530	43.592	0.725	9.940	1.663	51.000
173	8.650	28.379	52.910	52.980	0.757	11.230	1.429	46.000
174	8.700	28.543	31.990	32.062	0.965	11.460	3.010	55.000
175	8.750	28.707	69.480	69.550	1.190	11.180	1.711	68.100
176	8.800	28.871	73.740	73.814	1.581	11.930	2.142	68.300
177	8.850	29.035	78.270	78.355	2.193	13.590	2.799	65.900
178	8.900	29.199	80.370	80.458	2.435	14.160	3.026	52.400
179	8.950	29.363	250.460	250.566	1.714	17.050	0.684	49.400
180	9.000	29.527	334.920	335.013	1.396	14.850	0.417	44.300
181	9.050	29.691	254.440	254.522	1.260	13.090	0.495	35.300
182	9.100	29.855	178.100	178.177	1.855	12.280	1.041	46.400
183	9.150	30.019	120.830	120.898	2.221	10.840	1.837	35.000
184	9.200	30.183	98.930	99.004	2.019	11.850	2.039	38.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	77.660	77.730	1.984	11.160	2.552	36.700
186	9.300	30.511	45.670	45.742	1.617	11.480	3.535	33.600
187	9.350	30.675	39.110	39.179	1.751	11.010	4.469	32.900
188	9.400	30.840	37.880	37.951	1.209	11.440	3.186	28.600
189	9.450	31.004	26.490	26.565	0.989	12.090	3.723	28.900
190	9.500	31.168	17.980	18.052	0.907	11.520	5.024	21.600
191	9.550	31.332	64.390	64.465	0.799	12.080	1.239	33.600
192	9.600	31.496	69.570	69.639	0.885	11.130	1.271	42.700
193	9.650	31.660	51.600	51.668	1.092	10.970	2.113	56.200
194	9.700	31.824	24.540	24.601	0.833	9.840	3.386	55.800
195	9.750	31.988	17.420	17.494	0.389	11.780	2.224	74.800
196	9.800	32.152	21.770	21.855	0.428	13.690	1.958	78.000
197	9.850	32.316	25.630	25.705	0.602	12.080	2.342	86.400
198	9.900	32.480	29.010	29.101	0.729	14.510	2.505	96.600
199	9.950	32.644	29.870	29.960	0.693	14.400	2.313	96.700
200	10.000	32.808	27.880	27.969	0.643	14.190	2.299	92.000
201	10.050	32.972	22.130	22.217	0.517	13.970	2.327	95.100
202	10.100	33.136	18.610	18.699	0.463	14.250	2.476	90.400
203	10.150	33.300	20.720	20.811	0.401	14.510	1.927	86.000
204	10.200	33.464	23.650	23.739	0.343	14.290	1.445	98.400
205	10.250	33.628	23.160	23.249	0.331	14.260	1.424	90.000
206	10.300	33.792	18.700	18.789	0.313	14.210	1.666	92.900
207	10.350	33.956	14.970	15.058	0.287	14.020	1.906	69.200
208	10.400	34.120	12.450	12.538	0.252	14.140	2.010	60.800
209	10.450	34.284	8.260	8.349	0.245	14.270	2.934	56.900
210	10.500	34.448	10.110	10.196	0.367	13.770	3.599	40.700
211	10.550	34.612	24.050	24.130	0.348	12.850	1.442	38.700
212	10.600	34.776	42.290	42.369	0.266	12.730	0.628	33.400
213	10.650	34.941	53.970	54.047	0.451	12.360	0.834	30.600
214	10.700	35.105	73.370	73.453	0.842	13.220	1.146	31.800
215	10.750	35.269	64.090	64.185	0.994	15.170	1.549	35.600
216	10.800	35.433	26.710	26.808	1.106	15.740	4.126	31.700
217	10.850	35.597	22.150	22.252	0.918	16.330	4.125	32.800
218	10.900	35.761	21.010	21.124	0.870	18.270	4.119	43.700
219	10.950	35.925	22.050	22.188	1.035	22.170	4.665	65.200
220	11.000	36.089	15.280	15.405	0.856	20.040	5.557	48.500
221	11.050	36.253	191.280	191.402	1.503	19.530	0.785	63.700
222	11.100	36.417	253.460	253.547	2.976	13.940	1.174	56.400
223	11.150	36.581	249.420	249.508	3.651	14.060	1.463	62.900
224	11.200	36.745	236.140	236.224	4.695	13.380	1.988	86.400
225	11.250	36.909	191.520	191.595	4.339	12.030	2.265	86.000
226	11.300	37.073	121.400	121.463	3.945	10.120	3.248	77.300
227	11.350	37.237	66.010	66.071	2.685	9.730	4.064	66.200
228	11.400	37.401	40.590	40.648	2.338	9.240	5.752	57.700
229	11.450	37.565	39.690	39.747	1.686	9.170	4.242	54.900
230	11.500	37.729	25.860	25.923	1.048	10.100	4.043	58.200
231	11.550	37.893	34.490	34.558	0.935	10.890	2.706	60.100
232	11.600	38.057	41.410	41.483	0.985	11.650	2.374	55.100
233	11.650	38.221	28.730	28.796	0.843	10.540	2.928	50.700
234	11.700	38.385	26.790	26.853	0.643	10.140	2.394	31.800
235	11.750	38.549	27.670	27.733	0.724	10.070	2.611	38.500
236	11.800	38.713	29.120	29.185	0.704	10.490	2.412	32.100
237	11.850	38.877	46.090	46.162	0.724	11.520	1.568	39.700
238	11.900	39.042	22.340	22.413	0.649	11.720	2.896	35.600
239	11.950	39.206	32.150	32.228	0.690	12.550	2.141	44.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	30.240	30.329	0.832	14.310	2.743	59.100
241	12.050	39.534	34.180	34.264	0.662	13.480	1.932	56.700
242	12.100	39.698	46.630	46.713	0.590	13.330	1.263	67.900
243	12.150	39.862	56.720	56.804	0.431	13.390	0.759	67.500
244	12.200	40.026	60.240	60.323	0.514	13.280	0.852	68.100
245	12.250	40.190	54.620	54.703	0.640	13.340	1.170	55.800
246	12.300	40.354	46.970	47.053	0.868	13.250	1.845	64.100
247	12.350	40.518	38.730	38.812	0.789	13.130	2.033	54.600
248	12.400	40.682	56.440	56.524	1.249	13.470	2.210	39.200
249	12.450	40.846	50.140	50.227	1.492	13.930	2.971	44.600
250	12.500	41.010	29.680	29.779	1.554	15.870	5.218	48.300
251	12.550	41.174	31.040	31.144	1.321	16.680	4.242	48.700
252	12.600	41.338	32.040	32.141	1.351	16.140	4.203	64.100
253	12.650	41.502	27.810	27.918	1.406	17.300	5.036	69.500
254	12.700	41.666	78.280	78.393	1.814	18.140	2.314	72.100
255	12.750	41.830	121.770	121.879	2.244	17.440	1.841	76.800
256	12.800	41.994	124.400	124.505	3.097	16.790	2.487	70.300
257	12.850	42.158	109.010	109.098	2.642	14.080	2.422	56.400
258	12.900	42.322	114.200	114.279	3.281	12.620	2.871	53.100
259	12.950	42.486	119.270	119.351	3.622	12.950	3.035	38.200
260	13.000	42.650	102.800	102.887	3.752	13.900	3.647	48.800
261	13.050	42.814	65.980	66.110	2.697	20.850	4.080	47.600
262	13.100	42.978	40.280	40.404	1.866	19.820	4.618	69.700
263	13.150	43.143	29.850	29.970	1.250	19.200	4.171	59.700
264	13.200	43.307	27.170	27.300	1.117	20.860	4.092	64.600
265	13.250	43.471	35.880	36.015	1.159	21.560	3.218	55.300
266	13.300	43.635	34.890	35.026	1.149	21.840	3.280	85.400
267	13.350	43.799	42.210	42.347	1.388	22.010	3.278	74.500
268	13.400	43.963	49.500	49.634	1.451	21.450	2.923	73.100
269	13.450	44.127	70.590	70.728	1.937	22.110	2.739	55.600
270	13.500	44.291	77.740	77.873	2.270	21.240	2.915	37.400
271	13.550	44.455	70.950	71.069	2.285	19.110	3.215	29.400
272	13.600	44.619	55.340	55.483	2.136	22.960	3.850	35.900
273	13.650	44.783	45.670	45.809	1.761	22.290	3.844	36.400
274	13.700	44.947	28.850	28.984	1.244	21.540	4.292	38.900
275	13.750	45.111	11.270	11.403	0.931	21.300	8.165	30.800
276	13.800	45.275	14.630	14.762	0.619	21.150	4.193	36.100
277	13.850	45.439	21.920	22.052	0.562	21.070	2.549	61.500
278	13.900	45.603	22.200	22.330	0.559	20.750	2.503	65.100
279	13.950	45.767	19.030	19.156	0.695	20.110	3.628	74.700
280	14.000	45.931	16.760	16.887	0.591	20.410	3.500	72.600
281	14.050	46.095	32.820	32.949	0.583	20.720	1.769	72.700
282	14.100	46.259	52.090	52.221	0.719	21.000	1.377	68.200
283	14.150	46.423	54.030	54.160	1.036	20.880	1.913	65.600
284	14.200	46.587	42.080	42.207	1.208	20.310	2.862	40.700
285	14.250	46.751	47.850	47.975	1.109	20.070	2.312	34.500
286	14.300	46.915	92.720	92.845	0.905	20.100	0.975	32.200
287	14.350	47.079	83.920	84.046	2.238	20.180	2.663	26.800
288	14.400	47.244	80.100	80.228	2.206	20.550	2.750	26.300
289	14.450	47.408	32.620	32.767	2.243	23.620	6.845	36.000
290	14.500	47.572	50.830	50.980	1.302	24.080	2.554	30.500
291	14.550	47.736	75.660	75.809	1.550	23.880	2.045	34.200
292	14.600	47.900	44.880	45.025	1.404	23.200	3.118	40.700
293	14.650	48.064	42.950	43.092	0.983	22.720	2.281	49.300
294	14.700	48.228	47.290	47.429	0.512	22.320	1.080	46.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	52.980	53.119	0.523	22.270	0.985	54.500
296	14.800	48.556	52.420	52.559	0.584	22.250	1.111	53.300
297	14.850	48.720	39.370	39.508	0.736	22.040	1.863	54.000
298	14.900	48.884	32.400	32.537	0.618	21.870	1.899	67.500
299	14.950	49.048	29.270	29.409	0.834	22.300	2.836	64.000
300	15.000	49.212	54.120	54.269	1.363	23.790	2.512	78.100
301	15.050	49.376	52.210	52.357	1.441	23.540	2.752	69.800
302	15.100	49.540	88.450	88.602	1.515	24.410	1.710	79.200
303	15.150	49.704	139.820	139.968	2.223	23.630	1.588	86.900
304	15.200	49.868	132.170	132.311	2.630	22.560	1.988	71.000
305	15.250	50.032	96.030	96.165	2.675	21.580	2.782	58.400
306	15.300	50.196	63.020	63.150	2.328	20.800	3.686	40.400
307	15.350	50.360	48.670	48.797	1.995	20.310	4.088	32.500
308	15.400	50.524	44.710	44.836	1.804	20.230	4.024	20.900
309	15.450	50.688	35.010	35.135	1.802	20.070	5.129	27.500
310	15.500	50.852	43.960	44.085	1.394	20.100	3.162	24.400
311	15.550	51.016	29.960	30.088	1.251	20.500	4.158	27.600
312	15.600	51.180	18.140	18.273	0.739	21.330	4.044	22.000
313	15.650	51.345	79.290	79.421	1.198	21.050	1.508	20.400
314	15.700	51.509	115.660	115.785	1.344	20.060	1.161	20.400
315	15.750	51.673	51.390	51.505	1.823	18.490	3.539	17.400
316	15.800	51.837	41.040	41.160	2.058	19.270	5.000	16.000
317	15.850	52.001	60.970	61.092	2.546	19.530	4.167	11.800
318	15.900	52.165	58.050	58.180	2.960	20.790	5.088	21.200
319	15.950	52.329	69.410	69.572	2.719	25.890	3.908	13.900
320	16.000	52.493	77.030	77.205	2.915	28.060	3.776	24.300
321	16.050	52.657	64.650	64.818	2.398	26.930	3.700	17.500
322	16.100	52.821	51.310	51.473	2.030	26.120	3.944	31.600
323	16.150	52.985	44.090	44.247	1.513	25.080	3.419	41.500
324	16.200	53.149	34.720	34.881	1.450	25.780	4.157	45.000
325	16.250	53.313	27.430	27.608	1.197	28.450	4.336	50.600
326	16.300	53.477	25.610	25.807	1.071	31.510	4.150	78.900
327	16.350	53.641	45.480	45.682	0.888	32.280	1.944	72.000
328	16.400	53.805	46.100	46.311	1.172	33.820	2.531	78.900
329	16.450	53.969	36.550	36.745	1.314	31.290	3.576	63.600
330	16.500	54.133	40.350	40.546	1.243	31.370	3.066	72.800
331	16.550	54.297	46.140	46.333	1.571	30.940	3.391	62.500
332	16.600	54.461	39.010	39.191	1.699	29.050	4.335	61.300
333	16.650	54.625	32.510	32.695	1.479	29.710	4.524	65.200
334	16.700	54.789	40.180	40.390	1.201	33.680	2.973	75.900
335	16.750	54.953	73.150	73.363	1.227	34.110	1.673	90.500
336	16.800	55.117	94.010	94.205	1.795	31.290	1.905	87.200
337	16.850	55.281	94.940	95.121	2.195	29.050	2.308	90.900
338	16.900	55.446	93.710	93.884	2.797	27.910	2.979	80.500
339	16.950	55.610	84.170	84.342	2.700	27.620	3.201	98.500
340	17.000	55.774	98.550	98.731	2.578	28.920	2.611	89.800
341	17.050	55.938	124.640	124.816	2.645	28.120	2.119	86.400
342	17.100	56.102	106.100	106.268	2.715	26.930	2.555	69.700
343	17.150	56.266	67.060	67.224	2.644	26.230	3.933	56.500
344	17.200	56.430	47.840	48.001	1.930	25.860	4.021	43.800
345	17.250	56.594	24.200	24.362	1.578	25.940	6.477	26.500
346	17.300	56.758	43.110	43.276	1.605	26.610	3.709	24.500
347	17.350	56.922	53.700	53.869	1.698	27.140	3.152	19.400
348	17.400	57.086	68.840	69.012	2.532	27.580	3.669	15.700
349	17.450	57.250	124.330	124.506	3.825	28.250	3.072	13.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
350	17.500	57.414	86.810	86.984	3.997	27.810	4.595	14.000
351	17.550	57.578	84.350	84.536	3.328	29.850	3.937	16.200
352	17.600	57.742	71.680	71.857	2.412	28.280	3.357	17.600
353	17.650	57.906	41.700	41.870	1.460	27.270	3.487	20.500
354	17.700	58.070	52.980	53.145	1.729	26.440	3.253	18.200
355	17.750	58.234	34.770	34.937	0.964	26.800	2.759	14.900
356	17.800	58.398	65.710	65.878	1.389	26.850	2.108	20.900
357	17.850	58.562	44.660	44.824	1.312	26.260	2.927	19.100
358	17.900	58.726	33.470	33.634	1.555	26.270	4.623	36.900
359	17.950	58.890	42.160	42.325	2.125	26.360	5.021	40.100
360	18.000	59.054	57.420	57.587	2.866	26.780	4.977	50.400
361	18.050	59.218	149.510	149.678	2.146	26.900	1.434	65.300
362	18.100	59.382	115.620	115.788	2.483	26.890	2.144	77.300
363	18.150	59.547	156.310	156.452	3.129	22.690	2.000	83.500
364	18.200	59.711	147.670	147.812	3.244	22.700	2.195	95.100
365	18.250	59.875	131.870	132.005	3.591	21.570	2.720	98.600
366	18.300	60.039	95.220	95.340	3.397	19.150	3.563	0.000
367	18.350	60.203	72.210	72.318	2.552	17.380	3.529	0.000
368	18.400	60.367	49.340	49.440	1.598	16.000	3.232	0.000
369	18.450	60.531	35.040	35.138	1.210	15.730	3.444	0.000
370	18.500	60.695	25.310	25.410	0.812	15.960	3.196	0.000
371	18.550	60.859	40.730	40.832	0.890	16.350	2.180	0.000
372	18.600	61.023	48.900	49.011	1.007	17.810	2.055	0.000
373	18.650	61.187	79.870	79.978	1.467	17.320	1.834	0.000
374	18.700	61.351	54.710	54.817	1.694	17.160	3.090	0.000
375	18.750	61.515	41.240	41.348	2.088	17.230	5.050	0.000
376	18.800	61.679	35.180	35.299	1.553	19.000	4.400	0.000
377	18.850	61.843	62.380	62.499	1.705	19.090	2.728	0.000
378	18.900	62.007	68.250	68.371	2.403	19.360	3.515	0.000
379	18.950	62.171	55.920	56.041	4.114	19.320	7.341	0.000
380	19.000	62.335	66.960	67.089	3.966	20.740	5.912	0.000
381	19.050	62.499	174.220	174.352	0.000	21.090	0.000	0.000
382	19.100	62.663	311.080	311.224	0.000	23.050	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221600
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-13-1
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-21-2013
CPT Time:	13:50
CPT File:	13-53075_GP13-1.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722252.874
Northing / Lat:	4294381.774
Elevation:	143.416
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
1	0.050	0.164	1.290	1.291	0.001	0.140	0.077	30.300
2	0.100	0.328	11.880	11.890	0.001	1.650	0.008	38.900
3	0.150	0.492	45.630	45.639	0.035	1.520	0.077	35.300
4	0.200	0.656	65.820	65.839	0.159	3.110	0.241	36.800
5	0.250	0.820	86.840	86.859	0.498	3.090	0.573	54.200
6	0.300	0.984	72.070	72.104	0.458	5.410	0.635	49.300
7	0.350	1.148	60.260	60.295	0.502	5.640	0.833	52.800
8	0.400	1.312	135.660	135.676	2.486	2.600	1.832	65.500
9	0.450	1.476	74.160	74.183	1.952	3.620	2.631	60.000
10	0.500	1.640	108.740	108.741	1.453	0.100	1.336	63.500
11	0.550	1.804	78.090	78.112	1.244	3.530	1.593	64.200
12	0.600	1.968	93.840	93.838	1.543	-0.330	1.644	72.300
13	0.650	2.133	96.610	96.657	1.732	7.560	1.792	63.400
14	0.700	2.297	88.280	88.385	1.440	16.860	1.629	67.600
15	0.750	2.461	107.970	108.039	3.024	11.060	2.799	68.600
16	0.800	2.625	96.690	96.712	1.202	3.550	1.243	61.000
17	0.850	2.789	124.080	124.090	0.622	1.620	0.501	59.300
18	0.900	2.953	178.980	178.986	1.722	0.900	0.962	51.000
19	0.950	3.117	302.980	302.984	1.767	0.620	0.583	55.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	189.840	189.845	1.539	0.870	0.811	47.400
21	1.050	3.445	147.850	147.855	2.019	0.850	1.366	50.400
22	1.100	3.609	124.420	124.420	1.185	-0.080	0.952	49.800
23	1.150	3.773	165.490	165.500	0.874	1.530	0.528	45.200
24	1.200	3.937	199.690	199.690	0.949	0.050	0.475	52.200
25	1.250	4.101	184.060	184.060	1.503	0.030	0.817	49.300
26	1.300	4.265	104.880	104.876	2.422	-0.660	2.309	54.400
27	1.350	4.429	66.400	66.400	2.732	-0.020	4.114	57.800
28	1.400	4.593	53.990	53.997	0.891	1.080	1.650	69.400
29	1.450	4.757	31.790	31.817	0.860	4.400	2.703	74.100
30	1.500	4.921	36.530	36.588	0.639	9.310	1.746	80.100
31	1.550	5.085	180.550	180.549	0.678	-0.230	0.376	90.400
32	1.600	5.249	70.610	70.613	0.766	0.470	1.085	89.800
33	1.650	5.413	48.400	48.402	0.997	0.330	2.060	87.100
34	1.700	5.577	42.700	42.719	1.019	3.010	2.385	93.700
35	1.750	5.741	42.880	42.877	1.035	-0.440	2.414	95.900
36	1.800	5.905	46.660	46.673	1.049	2.090	2.248	88.200
37	1.850	6.069	47.910	47.904	1.048	-0.950	2.188	90.600
38	1.900	6.234	48.900	48.906	1.175	0.970	2.403	103.000
39	1.950	6.398	45.010	45.015	1.184	0.810	2.630	99.100
40	2.000	6.562	37.330	37.413	1.233	13.350	3.296	86.800
41	2.050	6.726	36.880	37.095	1.231	34.390	3.319	90.600
42	2.100	6.890	45.900	45.928	1.358	4.430	2.957	86.700
43	2.150	7.054	55.090	55.132	1.418	6.700	2.572	94.600
44	2.200	7.218	74.880	75.000	1.508	19.300	2.011	87.800
45	2.250	7.382	86.080	86.100	1.556	3.140	1.807	83.200
46	2.300	7.546	80.600	80.621	1.435	3.290	1.780	92.900
47	2.350	7.710	66.530	66.509	1.216	-3.380	1.828	70.400
48	2.400	7.874	50.720	50.681	0.963	-6.250	1.900	71.000
49	2.450	8.038	34.210	34.175	0.678	-5.550	1.984	69.200
50	2.500	8.202	30.970	30.967	0.563	-0.420	1.818	63.800
51	2.550	8.366	30.920	30.921	0.497	0.090	1.607	62.200
52	2.600	8.530	14.390	14.426	0.473	5.710	3.279	63.500
53	2.650	8.694	12.860	12.854	0.455	-0.950	3.540	68.200
54	2.700	8.858	10.560	10.558	0.404	-0.350	3.827	74.700
55	2.750	9.022	10.540	10.615	0.431	12.070	4.060	80.900
56	2.800	9.186	10.930	10.980	0.526	7.960	4.791	75.800
57	2.850	9.350	12.560	12.592	0.545	5.190	4.328	95.800
58	2.900	9.514	29.450	29.513	0.538	10.020	1.823	87.000
59	2.950	9.678	47.540	47.589	0.735	7.890	1.544	92.600
60	3.000	9.842	19.820	19.843	0.807	3.750	4.067	84.300
61	3.050	10.006	13.440	13.481	0.662	6.600	4.911	75.100
62	3.100	10.170	15.300	15.289	0.369	-1.710	2.413	54.100
63	3.150	10.335	21.790	21.774	0.555	-2.500	2.549	46.500
64	3.200	10.499	19.590	19.580	0.682	-1.600	3.483	30.600
65	3.250	10.663	13.530	13.524	0.913	-0.960	6.751	29.300
66	3.300	10.827	45.030	45.009	1.257	-3.370	2.793	27.000
67	3.350	10.991	55.560	55.623	1.093	10.060	1.965	21.100
68	3.400	11.155	80.570	80.577	1.303	1.170	1.617	15.600
69	3.450	11.319	87.680	87.689	1.312	1.430	1.496	18.600
70	3.500	11.483	34.840	34.853	1.055	2.150	3.027	11.500
71	3.550	11.647	25.490	25.497	1.203	1.100	4.718	18.700
72	3.600	11.811	40.080	40.082	0.914	0.260	2.280	20.700
73	3.650	11.975	37.250	37.340	1.131	14.470	3.029	17.600
74	3.700	12.139	29.040	29.069	0.982	4.720	3.378	19.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	22.520	22.532	0.638	1.980	2.831	28.700
76	3.800	12.467	21.460	21.493	0.617	5.260	2.871	35.700
77	3.850	12.631	23.340	23.363	0.656	3.680	2.808	45.200
78	3.900	12.795	13.590	13.919	0.458	52.770	3.290	62.700
79	3.950	12.959	26.160	26.456	0.454	47.400	1.716	64.300
80	4.000	13.123	49.850	49.931	0.651	12.960	1.304	50.400
81	4.050	13.287	25.710	25.752	0.748	6.720	2.905	41.400
82	4.100	13.451	20.780	20.768	0.623	-1.900	3.000	35.100
83	4.150	13.615	19.330	19.345	0.404	2.360	2.088	37.700
84	4.200	13.779	31.200	31.205	0.300	0.730	0.961	40.800
85	4.250	13.943	52.260	52.287	0.606	4.310	1.159	33.700
86	4.300	14.107	116.680	116.695	1.018	2.380	0.872	43.200
87	4.350	14.271	115.790	115.823	1.448	5.300	1.250	54.800
88	4.400	14.436	125.690	125.695	1.930	0.750	1.535	80.300
89	4.450	14.600	69.120	69.128	1.699	1.350	2.458	110.300
90	4.500	14.764	56.170	56.185	1.688	2.460	3.004	132.300
91	4.550	14.928	44.560	44.572	1.452	1.910	3.258	185.800
92	4.600	15.092	35.620	35.659	1.081	6.290	3.031	288.200
93	4.650	15.256	19.880	19.901	1.042	3.380	5.236	415.200
94	4.700	15.420	76.650	76.617	1.423	-5.280	1.857	471.700
95	4.750	15.584	105.120	105.069	1.665	-8.100	1.585	464.200
96	4.800	15.748	107.890	107.849	1.972	-6.510	1.828	439.300
97	4.850	15.912	130.240	130.143	1.984	-15.480	1.524	430.600
98	4.900	16.076	111.430	111.342	1.612	-14.050	1.448	360.900
99	4.950	16.240	59.190	59.108	1.327	-13.070	2.245	301.200
100	5.000	16.404	35.300	35.210	1.088	-14.410	3.090	183.600
101	5.050	16.568	24.870	24.793	1.068	-12.360	4.308	149.800
102	5.100	16.732	22.190	22.093	1.006	-15.520	4.553	103.900
103	5.150	16.896	27.340	27.262	0.879	-12.540	3.224	106.300
104	5.200	17.060	28.060	28.021	0.714	-6.180	2.548	106.700
105	5.250	17.224	13.030	13.082	0.580	8.370	4.433	91.300
106	5.300	17.388	14.290	14.344	0.481	8.660	3.353	89.400
107	5.350	17.552	14.320	14.367	0.563	7.470	3.919	86.000
108	5.400	17.716	13.660	13.698	0.688	6.070	5.023	76.800
109	5.450	17.880	13.500	13.481	0.685	-3.040	5.081	57.700
110	5.500	18.044	19.680	19.669	0.656	-1.700	3.335	47.800
111	5.550	18.208	27.670	27.664	0.796	-0.980	2.877	28.900
112	5.600	18.372	30.260	30.265	0.725	0.750	2.396	28.800
113	5.650	18.537	45.030	45.029	0.786	-0.110	1.746	23.900
114	5.700	18.701	44.770	44.782	0.742	1.970	1.657	23.000
115	5.750	18.865	40.350	40.340	0.891	-1.560	2.209	16.600
116	5.800	19.029	24.790	24.832	0.974	6.720	3.922	17.100
117	5.850	19.193	17.990	18.001	0.861	1.790	4.783	19.500
118	5.900	19.357	8.070	8.081	0.601	1.730	7.437	27.000
119	5.950	19.521	12.430	12.431	0.515	0.150	4.143	36.600
120	6.000	19.685	26.690	26.701	0.529	1.700	1.981	0.000
121	6.050	19.849	35.960	35.959	0.803	-0.180	2.233	0.000
122	6.100	20.013	43.280	43.271	0.715	-1.390	1.652	0.000
123	6.150	20.177	14.120	14.222	0.678	16.390	4.767	0.000
124	6.200	20.341	20.110	20.293	0.675	29.250	3.326	0.000
125	6.250	20.505	17.690	17.716	0.680	4.120	3.838	0.000
126	6.300	20.669	16.680	16.731	0.753	8.140	4.501	0.000
127	6.350	20.833	14.340	14.372	0.689	5.110	4.794	0.000
128	6.400	20.997	12.190	12.224	0.653	5.500	5.342	0.000
129	6.450	21.161	10.150	10.194	0.557	7.030	5.464	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	7.550	7.584	0.459	5.430	6.052	0.000
131	6.550	21.489	13.690	13.617	0.441	-11.620	3.238	0.000
132	6.600	21.653	21.920	21.917	0.431	-0.520	1.967	0.000
133	6.650	21.817	26.620	26.620	0.354	0.080	1.330	0.000
134	6.700	21.981	16.310	16.335	0.000	4.030	0.000	0.000
135	6.750	22.145	33.270	33.279	0.000	1.410	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221602
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-13-2A
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-21-2013
CPT Time:	14:46
CPT File:	13-53075_GP13-2A.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722255.625
Northing / Lat:	4294374.852
Elevation:	143.681
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	13.190	13.191	0.020	0.200	0.152	28.800
2	0.100	0.328	22.540	22.542	0.043	0.270	0.191	29.800
3	0.150	0.492	30.310	30.312	0.042	0.340	0.139	43.200
4	0.200	0.656	33.600	33.602	0.067	0.300	0.199	36.700
5	0.250	0.820	37.600	37.607	0.067	1.100	0.178	34.600
6	0.300	0.984	35.110	35.112	0.188	0.330	0.535	41.400
7	0.350	1.148	36.670	36.675	0.198	0.820	0.540	50.500
8	0.400	1.312	37.940	37.954	0.537	2.170	1.415	52.100
9	0.450	1.476	47.940	47.944	0.427	0.690	0.891	51.600
10	0.500	1.640	45.120	45.123	0.310	0.490	0.687	52.700
11	0.550	1.804	54.460	54.462	0.611	0.280	1.122	51.500
12	0.600	1.968	65.210	65.212	1.236	0.260	1.895	52.300
13	0.650	2.133	98.380	98.403	1.449	3.630	1.473	51.800
14	0.700	2.297	146.970	146.994	0.983	3.860	0.669	0.000
15	0.750	2.461	71.460	71.455	1.047	-0.820	1.465	0.000
16	0.800	2.625	43.480	43.482	0.799	0.270	1.838	0.000
17	0.850	2.789	20.700	20.701	1.944	0.160	9.391	0.000
18	0.900	2.953	16.570	16.573	1.468	0.420	8.858	0.000
19	0.950	3.117	63.830	63.833	0.898	0.540	1.407	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	33.720	33.723	1.761	0.480	5.222	0.000
21	1.050	3.445	23.720	23.722	8.179	0.370	34.478	0.000
22	1.100	3.609	13.960	13.963	6.021	0.560	43.120	0.000
23	1.150	3.773	217.850	217.854	3.285	0.640	1.508	0.000
24	1.200	3.937	144.990	144.992	3.910	0.310	2.697	0.000
25	1.250	4.101	262.990	262.992	3.844	0.310	1.462	0.000
26	1.300	4.265	397.160	397.161	3.560	0.220	0.896	0.000
27	1.350	4.429	435.990	435.991	3.613	0.160	0.829	0.000
28	1.400	4.593	444.700	444.701	0.000	0.110	0.000	0.000
29	1.450	4.757	480.930	480.931	0.000	0.140	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221601
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-13-2
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-21-2013
CPT Time:	13:51
CPT File:	13-53075_GP13-2.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722254.367
Northing / Lat:	4294375.325
Elevation:	143.613
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	17.240	17.247	0.005	1.170	0.029	27.000
2	0.100	0.328	36.810	36.817	0.003	1.130	0.008	30.200
3	0.150	0.492	51.270	51.283	0.084	2.010	0.164	33.300
4	0.200	0.656	65.690	65.696	0.088	0.960	0.134	32.400
5	0.250	0.820	97.430	97.448	0.151	2.840	0.155	41.500
6	0.300	0.984	91.510	91.524	0.257	2.230	0.281	38.900
7	0.350	1.148	79.730	79.751	0.776	3.330	0.973	0.000
8	0.400	1.312	61.470	61.487	2.762	2.750	4.492	0.000
9	0.450	1.476	97.530	97.582	4.241	8.250	4.346	0.000
10	0.500	1.640	297.060	297.060	3.873	-0.070	1.304	0.000
11	0.550	1.804	262.800	262.801	1.713	0.110	0.652	0.000
12	0.600	1.968	253.390	253.399	1.287	1.520	0.508	0.000
13	0.650	2.133	120.730	120.760	1.170	4.830	0.969	0.000
14	0.700	2.297	77.480	77.496	0.723	2.640	0.933	0.000
15	0.750	2.461	66.550	66.559	0.844	1.380	1.268	0.000
16	0.800	2.625	59.610	59.622	0.750	1.920	1.258	0.000
17	0.850	2.789	78.320	78.318	1.113	-0.300	1.421	0.000
18	0.900	2.953	74.920	74.922	1.929	0.270	2.575	0.000
19	0.950	3.117	94.020	94.033	2.054	2.030	2.184	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	104.980	104.998	0.554	2.880	0.528	0.000
21	1.050	3.445	55.910	55.912	3.154	0.280	5.641	0.000
22	1.100	3.609	42.050	42.054	3.207	0.580	7.626	0.000
23	1.150	3.773	443.010	443.011	0.000	0.180	0.000	0.000
24	1.200	3.937	480.970	480.969	0.000	-0.240	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221604
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-13-3
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-21-2013
CPT Time:	15:04
CPT File:	13-53075_GP13-3.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722258.160
Northing / Lat:	4294370.810
Elevation:	143.810
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	19.420	19.437	0.016	2.790	0.082	32.100
2	0.100	0.328	34.110	34.131	0.079	3.440	0.231	28.700
3	0.150	0.492	44.860	44.864	0.257	0.590	0.573	33.300
4	0.200	0.656	51.270	51.315	0.254	7.260	0.495	33.600
5	0.250	0.820	47.870	47.861	0.307	-1.420	0.641	36.200
6	0.300	0.984	46.240	46.241	0.230	0.140	0.497	40.900
7	0.350	1.148	48.080	48.111	0.243	5.000	0.505	41.800
8	0.400	1.312	66.530	66.552	0.208	3.570	0.313	42.000
9	0.450	1.476	26.090	26.124	0.290	5.370	1.110	41.700
10	0.500	1.640	27.140	27.151	0.637	1.830	2.346	0.000
11	0.550	1.804	50.270	50.298	1.259	4.430	2.503	0.000
12	0.600	1.968	51.830	51.885	1.730	8.870	3.334	0.000
13	0.650	2.133	108.570	108.772	1.582	32.320	1.454	0.000
14	0.700	2.297	227.260	227.388	3.156	20.460	1.388	0.000
15	0.750	2.461	175.730	175.782	4.656	8.360	2.649	0.000
16	0.800	2.625	171.740	171.784	0.901	7.110	0.524	0.000
17	0.850	2.789	223.410	223.438	1.077	4.490	0.482	0.000
18	0.900	2.953	138.680	138.695	0.946	2.410	0.682	0.000
19	0.950	3.117	115.900	115.909	0.477	1.380	0.412	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	86.520	86.524	1.730	0.720	1.999	0.000
21	1.050	3.445	71.230	71.227	0.544	-0.430	0.764	0.000
22	1.100	3.609	84.910	84.925	1.287	2.360	1.515	0.000
23	1.150	3.773	82.860	82.912	1.041	8.250	1.256	0.000
24	1.200	3.937	390.910	390.915	0.000	0.730	0.000	0.000
25	1.250	4.101	424.430	424.437	0.000	1.200	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221605
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-13-4
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-21-2013
CPT Time:	15:51
CPT File:	13-53075_GP13-4.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722264.110
Northing / Lat:	4294356.380
Elevation:	144.370
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
1	0.050	0.164	2.840	2.835	0.088	-0.810	3.104	0.000
2	0.100	0.328	30.690	30.685	0.157	-0.850	0.512	0.000
3	0.150	0.492	54.400	54.398	0.342	-0.370	0.629	0.000
4	0.200	0.656	43.020	43.016	0.493	-0.590	1.146	0.000
5	0.250	0.820	34.390	34.388	0.721	-0.380	2.097	0.000
6	0.300	0.984	32.310	32.305	1.160	-0.780	3.591	0.000
7	0.350	1.148	33.040	33.029	0.938	-1.710	2.840	0.000
8	0.400	1.312	38.270	38.267	1.271	-0.510	3.321	0.000
9	0.450	1.476	54.200	54.190	2.409	-1.570	4.445	0.000
10	0.500	1.640	73.920	73.908	1.950	-1.980	2.638	0.000
11	0.550	1.804	176.220	176.215	8.333	-0.860	4.729	0.000
12	0.600	1.968	56.190	56.139	8.810	-8.230	15.693	0.000
13	0.650	2.133	379.480	379.477	0.000	-0.550	0.000	0.000
14	0.700	2.297	442.370	442.366	0.000	-0.600	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221607
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-13-4S
Cone ID:	226:T1500F15U500
Operator:	DC/YB
CPT Date:	Feb-03-2014
CPT Time:	11:32
CPT File:	13-53075_GP13-4S.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722263.830
Northing / Lat:	4294356.770
Elevation:	144.400
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	3.900	3.975	0.012	11.970	0.302	49.600
2	0.100	0.328	4.080	4.116	0.012	5.710	0.292	46.400
3	0.150	0.492	4.010	4.030	0.013	3.210	0.323	50.600
4	0.200	0.656	3.970	3.984	0.013	2.170	0.326	66.700
5	0.250	0.820	3.980	3.989	0.030	1.420	0.752	69.300
6	0.300	0.984	3.710	3.718	0.045	1.270	1.210	62.100
7	0.350	1.148	6.080	6.108	0.026	4.520	0.426	59.700
8	0.400	1.312	4.680	4.705	0.029	3.950	0.616	69.700
9	0.450	1.476	5.290	5.309	0.019	3.020	0.358	65.300
10	0.500	1.640	5.010	5.014	0.014	0.620	0.279	57.600
11	0.550	1.804	4.580	4.592	0.016	1.870	0.348	54.900
12	0.600	1.968	2.930	2.939	0.019	1.460	0.646	55.400
13	0.650	2.133	2.650	2.654	0.011	0.580	0.415	48.000
14	0.700	2.297	2.380	2.382	0.008	0.280	0.336	41.600
15	0.750	2.461	2.510	2.512	0.007	0.380	0.279	51.800
16	0.800	2.625	2.270	2.272	0.006	0.290	0.264	51.900
17	0.850	2.789	2.330	2.332	0.007	0.360	0.300	38.700
18	0.900	2.953	2.670	2.672	0.011	0.400	0.412	36.000
19	0.950	3.117	2.470	2.473	0.010	0.470	0.404	47.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	3.040	3.043	0.010	0.540	0.329	44.100
21	1.050	3.445	3.290	3.293	0.011	0.460	0.334	52.900
22	1.100	3.609	3.580	3.584	0.014	0.580	0.391	43.100
23	1.150	3.773	3.780	3.785	0.016	0.760	0.423	57.700
24	1.200	3.937	4.390	4.395	0.016	0.730	0.364	56.600
25	1.250	4.101	5.270	5.275	0.016	0.870	0.303	58.100
26	1.300	4.265	6.270	6.278	0.026	1.320	0.414	52.000
27	1.350	4.429	5.130	5.150	0.032	3.220	0.621	50.700
28	1.400	4.593	6.840	6.860	0.036	3.220	0.525	49.300
29	1.450	4.757	8.150	8.168	0.036	2.860	0.441	55.800
30	1.500	4.921	11.000	11.017	0.042	2.690	0.381	54.200
31	1.550	5.085	8.170	8.181	0.045	1.820	0.550	46.700
32	1.600	5.249	7.580	7.589	0.045	1.470	0.593	47.200
33	1.650	5.413	6.460	6.466	0.035	1.020	0.541	49.800
34	1.700	5.577	6.430	6.435	0.033	0.750	0.513	44.800
35	1.750	5.741	6.080	6.084	0.041	0.590	0.674	43.300
36	1.800	5.905	6.440	6.444	0.049	0.650	0.760	44.400
37	1.850	6.069	8.200	8.206	0.047	0.980	0.573	37.300
38	1.900	6.234	9.510	9.516	0.038	1.040	0.399	48.200
39	1.950	6.398	10.100	10.106	0.029	1.040	0.287	44.700
40	2.000	6.562	10.140	10.145	0.036	0.770	0.355	38.400
41	2.050	6.726	10.150	10.155	0.038	0.850	0.374	41.600
42	2.100	6.890	8.740	8.744	0.037	0.570	0.423	51.300
43	2.150	7.054	7.080	7.081	0.034	0.120	0.480	59.700
44	2.200	7.218	5.440	5.439	0.036	-0.150	0.662	63.600
45	2.250	7.382	4.160	4.159	0.037	-0.190	0.890	69.500
46	2.300	7.546	3.700	3.699	0.026	-0.220	0.703	56.500
47	2.350	7.710	3.560	3.564	0.020	0.690	0.561	78.400
48	2.400	7.874	3.410	3.416	0.016	0.900	0.468	86.700
49	2.450	8.038	3.580	3.585	0.012	0.790	0.335	74.000
50	2.500	8.202	3.310	3.313	0.016	0.560	0.483	74.700
51	2.550	8.366	2.870	2.874	0.016	0.640	0.557	78.900
52	2.600	8.530	3.030	3.034	0.029	0.660	0.956	70.900
53	2.650	8.694	3.110	3.113	0.106	0.540	3.405	74.200
54	2.700	8.858	4.930	4.944	0.159	2.310	3.216	78.000
55	2.750	9.022	20.810	20.837	0.305	4.330	1.464	75.100
56	2.800	9.186	37.410	37.447	0.565	5.850	1.509	63.400
57	2.850	9.350	41.510	41.544	0.920	5.500	2.215	58.600
58	2.900	9.514	37.080	37.174	0.967	15.090	2.601	47.400
59	2.950	9.678	21.950	21.956	0.775	0.900	3.530	49.400
60	3.000	9.842	13.970	14.013	0.680	6.880	4.853	34.400
61	3.050	10.006	22.320	22.356	0.410	5.730	1.834	23.900
62	3.100	10.170	27.790	27.832	0.530	6.700	1.904	21.200
63	3.150	10.335	13.960	13.951	0.516	-1.430	3.699	19.200
64	3.200	10.499	19.070	19.061	0.366	-1.520	1.920	17.000
65	3.250	10.663	20.550	20.570	0.209	3.190	1.016	33.600
66	3.300	10.827	15.860	15.899	0.284	6.300	1.786	43.600
67	3.350	10.991	30.200	30.221	0.505	3.440	1.671	47.700
68	3.400	11.155	13.860	13.822	0.542	-6.150	3.921	58.600
69	3.450	11.319	8.270	8.343	0.528	11.630	6.329	65.800
70	3.500	11.483	13.110	13.124	0.371	2.310	2.827	72.700
71	3.550	11.647	8.380	8.405	0.374	4.010	4.450	79.300
72	3.600	11.811	8.000	8.137	0.415	21.870	5.100	98.100
73	3.650	11.975	42.800	42.967	0.751	26.680	1.748	92.700
74	3.700	12.139	80.240	80.299	1.063	9.490	1.324	85.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	73.660	73.689	1.170	4.680	1.588	88.100
76	3.800	12.467	55.390	55.385	1.192	-0.880	2.152	83.900
77	3.850	12.631	40.090	40.063	1.024	-4.350	2.556	88.900
78	3.900	12.795	26.920	26.886	0.930	-5.370	3.459	72.900
79	3.950	12.959	18.050	18.009	0.607	-6.560	3.371	57.400
80	4.000	13.123	31.300	31.233	0.328	-10.680	1.050	53.500
81	4.050	13.287	54.630	54.633	0.197	0.450	0.361	45.500
82	4.100	13.451	66.460	66.464	0.489	0.670	0.736	40.300
83	4.150	13.615	44.290	44.303	0.431	2.160	0.973	31.800
84	4.200	13.779	21.870	21.885	0.645	2.440	2.947	29.300
85	4.250	13.943	20.600	20.618	0.449	2.820	2.178	28.500
86	4.300	14.107	12.580	12.579	0.308	-0.200	2.449	25.000
87	4.350	14.271	16.640	16.670	0.274	4.880	1.644	24.300
88	4.400	14.436	17.410	17.434	0.360	3.880	2.065	31.500
89	4.450	14.600	18.000	18.023	0.265	3.620	1.470	23.900
90	4.500	14.764	14.250	14.283	0.253	5.270	1.771	28.700
91	4.550	14.928	33.760	33.768	0.496	1.210	1.469	32.500
92	4.600	15.092	31.770	31.779	0.551	1.520	1.734	38.200
93	4.650	15.256	14.380	14.405	0.571	4.080	3.964	56.700
94	4.700	15.420	13.610	13.620	0.488	1.600	3.583	58.300
95	4.750	15.584	26.260	26.284	0.874	3.780	3.325	65.900
96	4.800	15.748	50.250	50.231	0.726	-3.060	1.445	76.200
97	4.850	15.912	65.340	65.281	1.363	-9.450	2.088	74.500
98	4.900	16.076	85.750	85.710	1.549	-6.360	1.807	66.800
99	4.950	16.240	66.750	66.707	1.356	-6.880	2.033	63.100
100	5.000	16.404	57.340	57.283	1.428	-9.150	2.493	45.100
101	5.050	16.568	49.430	49.365	1.131	-10.460	2.291	43.000
102	5.100	16.732	51.970	51.915	0.847	-8.780	1.632	30.900
103	5.150	16.896	24.080	24.108	0.649	4.490	2.692	27.200
104	5.200	17.060	37.020	37.009	0.696	-1.690	1.881	22.200
105	5.250	17.224	44.830	44.852	0.572	3.450	1.275	23.300
106	5.300	17.388	24.310	24.361	1.031	8.190	4.232	14.600
107	5.350	17.552	23.070	23.160	0.844	14.390	3.644	9.100
108	5.400	17.716	22.720	22.803	0.373	13.370	1.636	12.500
109	5.450	17.880	24.670	24.670	0.574	-0.060	2.327	9.300
110	5.500	18.044	29.050	29.130	0.497	12.760	1.706	13.400
111	5.550	18.208	24.610	24.699	0.600	14.210	2.429	13.400
112	5.600	18.372	27.740	27.761	0.598	3.310	2.154	13.300
113	5.650	18.537	42.970	43.006	0.513	5.810	1.193	15.400
114	5.700	18.701	21.520	21.527	0.529	1.180	2.457	12.200
115	5.750	18.865	9.360	9.362	0.421	0.380	4.497	13.700
116	5.800	19.029	10.010	10.017	0.316	1.140	3.155	10.700
117	5.850	19.193	28.910	28.912	0.498	0.370	1.722	10.200
118	5.900	19.357	46.090	46.089	0.965	-0.240	2.094	11.200
119	5.950	19.521	51.380	51.377	1.507	-0.500	2.933	15.600
120	6.000	19.685	90.590	90.587	1.814	-0.550	2.003	22.300
121	6.050	19.849	31.860	31.864	1.573	0.690	4.937	25.700
122	6.100	20.013	12.400	12.406	1.028	1.040	8.286	30.100
123	6.150	20.177	15.520	15.533	0.649	2.130	4.178	39.600
124	6.200	20.341	10.200	10.200	0.512	-0.010	5.020	60.500
125	6.250	20.505	9.190	9.206	0.513	2.600	5.572	68.500
126	6.300	20.669	31.820	31.888	0.687	10.910	2.154	79.600
127	6.350	20.833	53.200	53.362	1.138	25.910	2.133	69.400
128	6.400	20.997	59.220	59.249	1.306	4.690	2.204	87.300
129	6.450	21.161	55.190	55.255	1.666	10.410	3.015	55.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	57.630	57.663	1.623	5.270	2.815	62.200
131	6.550	21.489	58.100	58.112	1.688	1.850	2.905	41.600
132	6.600	21.653	80.560	80.563	1.949	0.440	2.419	40.700
133	6.650	21.817	78.050	78.058	2.229	1.290	2.856	40.600
134	6.700	21.981	48.230	48.244	2.195	2.230	4.550	37.400
135	6.750	22.145	25.450	25.487	1.447	5.900	5.677	42.200
136	6.800	22.309	23.320	23.356	0.999	5.690	4.277	28.900
137	6.850	22.473	24.290	24.414	0.958	19.810	3.924	23.900
138	6.900	22.638	19.510	19.614	0.930	16.680	4.741	16.800
139	6.950	22.802	15.820	15.966	1.017	23.340	6.370	17.300
140	7.000	22.966	33.800	33.899	1.087	15.910	3.207	19.300
141	7.050	23.130	23.120	23.227	0.866	17.080	3.728	20.400
142	7.100	23.294	39.340	39.457	1.144	18.710	2.899	19.800
143	7.150	23.458	36.050	36.081	1.405	4.910	3.894	15.500
144	7.200	23.622	27.210	27.243	1.281	5.270	4.702	9.100
145	7.250	23.786	31.670	31.739	1.319	11.010	4.156	13.300
146	7.300	23.950	50.100	50.168	1.409	10.880	2.809	3.200
147	7.350	24.114	62.820	62.836	1.260	2.590	2.005	6.000
148	7.400	24.278	120.960	120.995	0.735	5.530	0.607	13.500
149	7.450	24.442	201.210	201.219	2.347	1.520	1.166	9.800
150	7.500	24.606	106.310	106.332	2.847	3.460	2.677	18.000
151	7.550	24.770	59.650	59.668	3.065	2.940	5.137	16.700
152	7.600	24.934	34.320	34.347	1.158	4.390	3.371	19.000
153	7.650	25.098	50.770	50.809	1.373	6.290	2.702	24.900
154	7.700	25.262	64.980	65.051	1.634	11.420	2.512	36.300
155	7.750	25.426	36.210	36.224	1.237	2.210	3.415	32.000
156	7.800	25.590	70.190	70.233	0.990	6.930	1.410	29.000
157	7.850	25.754	100.180	100.180	1.202	0.000	1.200	43.200
158	7.900	25.918	104.990	105.006	1.769	2.550	1.685	37.300
159	7.950	26.082	120.990	121.091	2.247	16.100	1.856	47.900
160	8.000	26.246	80.200	80.252	2.085	8.290	2.598	49.100
161	8.050	26.410	30.350	30.491	1.192	22.600	3.909	57.200
162	8.100	26.574	79.760	79.861	1.248	16.120	1.563	55.300
163	8.150	26.739	57.000	57.039	1.229	6.220	2.155	53.500
164	8.200	26.903	76.090	76.100	1.577	1.610	2.072	59.000
165	8.250	27.067	15.680	15.695	0.996	2.420	6.346	60.500
166	8.300	27.231	8.200	8.261	0.493	9.730	5.968	54.100
167	8.350	27.395	51.970	51.978	1.556	1.320	2.994	51.600
168	8.400	27.559	75.660	75.703	1.804	6.880	2.383	53.500
169	8.450	27.723	31.280	31.389	1.800	17.530	5.734	51.800
170	8.500	27.887	35.960	36.038	1.253	12.420	3.477	51.900
171	8.550	28.051	23.020	23.081	0.977	9.800	4.233	59.900
172	8.600	28.215	19.050	19.086	0.673	5.840	3.526	63.800
173	8.650	28.379	17.530	17.552	0.549	3.600	3.128	52.900
174	8.700	28.543	12.970	13.025	0.517	8.750	3.969	60.400
175	8.750	28.707	11.610	11.711	0.527	16.170	4.500	59.600
176	8.800	28.871	14.350	14.441	0.561	14.580	3.885	59.200
177	8.850	29.035	13.830	13.943	0.531	18.070	3.808	74.200
178	8.900	29.199	21.110	21.356	0.487	39.460	2.280	70.100
179	8.950	29.363	27.040	27.496	0.531	73.100	1.931	97.400
180	9.000	29.527	30.240	30.339	0.636	15.900	2.096	73.300
181	9.050	29.691	28.840	29.068	0.585	36.580	2.012	92.900
182	9.100	29.855	34.150	34.354	0.729	32.730	2.122	74.100
183	9.150	30.019	36.380	36.483	0.791	16.450	2.168	71.400
184	9.200	30.183	37.470	37.748	1.343	44.590	3.558	60.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	54.160	54.200	1.183	6.480	2.183	54.300
186	9.300	30.511	22.620	22.625	1.006	0.790	4.446	48.300
187	9.350	30.675	18.910	18.910	0.554	0.040	2.930	58.700
188	9.400	30.840	5.410	5.439	0.640	4.580	11.768	45.100
189	9.450	31.004	11.180	11.205	0.352	4.040	3.141	40.700
190	9.500	31.168	19.200	19.247	0.284	7.490	1.476	49.000
191	9.550	31.332	10.310	10.322	0.459	1.860	4.447	36.200
192	9.600	31.496	13.030	13.045	0.466	2.480	3.572	39.100
193	9.650	31.660	17.110	17.107	0.443	-0.520	2.590	39.400
194	9.700	31.824	28.560	28.562	0.525	0.330	1.838	47.200
195	9.750	31.988	44.310	44.355	0.805	7.260	1.815	49.400
196	9.800	32.152	16.930	16.925	0.948	-0.870	5.601	50.400
197	9.850	32.316	12.310	12.336	0.926	4.180	7.506	51.400
198	9.900	32.480	31.000	31.037	0.648	5.950	2.088	58.600
199	9.950	32.644	40.020	40.051	0.590	4.910	1.473	70.500
200	10.000	32.808	46.540	46.555	0.550	2.440	1.181	77.600
201	10.050	32.972	52.340	52.355	0.561	2.400	1.072	59.400
202	10.100	33.136	58.810	58.832	0.646	3.500	1.098	67.300
203	10.150	33.300	63.460	63.484	0.728	3.900	1.147	68.000
204	10.200	33.464	65.400	65.423	0.803	3.750	1.227	79.100
205	10.250	33.628	63.820	63.844	0.877	3.860	1.374	81.600
206	10.300	33.792	63.200	63.224	0.950	3.900	1.503	73.200
207	10.350	33.956	54.050	54.076	1.050	4.200	1.942	74.900
208	10.400	34.120	49.070	49.094	1.130	3.860	2.302	71.100
209	10.450	34.284	56.790	56.853	1.022	10.140	1.798	63.600
210	10.500	34.448	57.550	57.583	0.948	5.260	1.646	65.400
211	10.550	34.612	55.880	55.903	0.850	3.700	1.520	82.300
212	10.600	34.776	51.120	51.147	0.949	4.290	1.855	82.800
213	10.650	34.941	44.380	44.399	0.962	3.000	2.167	80.900
214	10.700	35.105	32.630	32.671	0.896	6.570	2.742	90.900
215	10.750	35.269	35.390	35.456	0.874	10.520	2.465	82.400
216	10.800	35.433	40.230	40.297	0.796	10.750	1.975	86.000
217	10.850	35.597	37.300	37.349	0.889	7.850	2.380	73.700
218	10.900	35.761	35.910	35.952	0.765	6.650	2.128	74.000
219	10.950	35.925	31.560	31.579	0.788	3.020	2.495	83.800
220	11.000	36.089	32.810	32.838	0.689	4.470	2.098	84.400
221	11.050	36.253	44.690	44.700	0.523	1.670	1.170	74.200
222	11.100	36.417	44.420	44.427	0.474	1.110	1.067	83.500
223	11.150	36.581	37.240	37.247	0.592	1.140	1.589	102.000
224	11.200	36.745	30.550	30.559	0.596	1.480	1.950	88.700
225	11.250	36.909	24.200	24.223	0.905	3.740	3.736	79.500
226	11.300	37.073	20.600	20.641	0.762	6.600	3.692	85.800
227	11.350	37.237	31.130	31.271	0.714	22.570	2.283	83.400
228	11.400	37.401	30.430	30.473	0.733	6.950	2.405	87.700
229	11.450	37.565	29.690	29.718	0.731	4.480	2.460	87.200
230	11.500	37.729	31.480	31.508	0.614	4.500	1.949	97.000
231	11.550	37.893	29.820	29.850	0.565	4.810	1.893	90.700
232	11.600	38.057	24.180	24.205	0.450	4.040	1.859	80.800
233	11.650	38.221	18.090	18.108	0.428	2.840	2.364	97.600
234	11.700	38.385	13.650	13.669	0.413	3.030	3.021	83.600
235	11.750	38.549	17.010	17.046	0.449	5.780	2.634	88.800
236	11.800	38.713	14.070	14.074	0.454	0.600	3.226	88.300
237	11.850	38.877	9.280	9.256	0.571	-3.900	6.169	80.800
238	11.900	39.042	5.800	5.770	0.300	-4.760	5.199	71.900
239	11.950	39.206	9.570	9.506	0.320	-10.190	3.366	63.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	26.540	26.484	0.345	-8.970	1.303	53.200
241	12.050	39.534	9.520	9.533	0.456	2.020	4.784	40.700
242	12.100	39.698	18.780	18.800	0.522	3.270	2.777	30.100
243	12.150	39.862	25.590	25.619	0.764	4.610	2.982	31.200
244	12.200	40.026	15.810	15.880	0.702	11.230	4.421	26.200
245	12.250	40.190	13.300	13.364	0.624	10.280	4.669	15.400
246	12.300	40.354	16.700	16.722	0.535	3.450	3.199	14.500
247	12.350	40.518	33.880	33.888	0.731	1.340	2.157	18.300
248	12.400	40.682	35.830	35.849	0.792	3.010	2.209	18.800
249	12.450	40.846	20.910	20.931	0.799	3.400	3.817	13.500
250	12.500	41.010	24.270	24.333	0.962	10.160	3.953	11.500
251	12.550	41.174	54.770	54.806	1.099	5.800	2.005	14.900
252	12.600	41.338	36.730	36.810	1.160	12.810	3.151	17.600
253	12.650	41.502	19.450	19.537	1.183	13.860	6.055	17.300
254	12.700	41.666	24.720	24.800	0.871	12.870	3.512	20.500
255	12.750	41.830	14.730	14.771	0.714	6.590	4.834	20.000
256	12.800	41.994	18.160	18.218	0.671	9.240	3.683	23.100
257	12.850	42.158	20.730	20.834	0.667	16.610	3.202	21.800
258	12.900	42.322	21.520	21.623	0.662	16.550	3.062	18.500
259	12.950	42.486	17.910	17.994	0.651	13.440	3.618	24.900
260	13.000	42.650	17.440	17.482	0.586	6.780	3.352	38.300
261	13.050	42.814	19.910	19.958	0.637	7.700	3.192	42.500
262	13.100	42.978	21.030	21.069	0.708	6.210	3.360	47.200
263	13.150	43.143	22.620	22.676	0.903	9.030	3.982	51.800
264	13.200	43.307	42.840	42.935	0.886	15.260	2.064	57.600
265	13.250	43.471	36.440	36.516	0.939	12.180	2.571	64.900
266	13.300	43.635	34.690	34.713	0.917	3.740	2.642	66.400
267	13.350	43.799	31.460	31.494	1.033	5.370	3.280	42.900
268	13.400	43.963	32.830	32.874	1.015	6.990	3.088	32.300
269	13.450	44.127	36.450	36.435	1.118	-2.410	3.068	23.000
270	13.500	44.291	16.420	16.439	1.067	3.070	6.491	20.300
271	13.550	44.455	27.080	27.088	1.117	1.360	4.124	17.100
272	13.600	44.619	84.580	84.613	1.270	5.220	1.501	15.600
273	13.650	44.783	163.660	163.693	1.318	5.270	0.805	21.000
274	13.700	44.947	63.550	63.562	1.452	1.900	2.284	19.200
275	13.750	45.111	32.540	32.576	1.489	5.750	4.571	18.100
276	13.800	45.275	24.030	24.047	0.833	2.660	3.464	12.100
277	13.850	45.439	19.090	19.112	0.655	3.520	3.427	12.000
278	13.900	45.603	10.230	10.237	0.558	1.170	5.451	21.900
279	13.950	45.767	20.890	20.900	0.512	1.630	2.450	23.000
280	14.000	45.931	30.710	30.732	2.074	3.530	6.749	26.300
281	14.050	46.095	28.250	28.301	1.383	8.180	4.887	0.000
282	14.100	46.259	273.200	273.208	1.440	1.270	0.527	0.000
283	14.150	46.423	192.480	192.497	0.833	2.730	0.433	0.000
284	14.200	46.587	188.420	188.453	0.531	5.280	0.282	0.000
285	14.250	46.751	178.490	178.520	1.916	4.840	1.073	0.000
286	14.300	46.915	38.880	38.925	3.240	7.250	8.324	0.000
287	14.350	47.079	48.160	48.181	2.724	3.400	5.654	0.000
288	14.400	47.244	34.230	34.269	1.109	6.320	3.236	0.000
289	14.450	47.408	9.310	9.398	0.596	14.160	6.342	0.000
290	14.500	47.572	4.090	4.169	0.431	12.640	10.338	0.000
291	14.550	47.736	3.730	3.779	0.237	7.770	6.272	0.000
292	14.600	47.900	8.040	8.067	0.367	4.260	4.550	0.000
293	14.650	48.064	14.260	14.310	0.889	7.940	6.213	0.000
294	14.700	48.228	27.980	28.019	0.702	6.220	2.505	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	113.120	113.196	0.000	12.220	0.000	0.000
296	14.800	48.556	534.620	534.663	0.000	6.870	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221608
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-13-5
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-22-2013
CPT Time:	07:28
CPT File:	13-53075_GP13-5.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722270.120
Northing / Lat:	4294342.303
Elevation:	144.775
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	21.190	21.230	0.021	6.450	0.099	30.400
2	0.100	0.328	140.090	140.129	0.111	6.180	0.079	31.200
3	0.150	0.492	145.880	145.907	0.415	4.370	0.284	30.900
4	0.200	0.656	113.920	113.976	0.518	8.970	0.454	0.000
5	0.250	0.820	69.940	69.943	0.862	0.470	1.232	0.000
6	0.300	0.984	51.250	51.324	0.933	11.930	1.818	0.000
7	0.350	1.148	70.430	70.497	1.074	10.680	1.523	0.000
8	0.400	1.312	82.120	82.171	1.270	8.130	1.546	0.000
9	0.450	1.476	76.940	76.965	1.228	3.960	1.596	0.000
10	0.500	1.640	67.780	67.781	0.864	0.240	1.275	0.000
11	0.550	1.804	64.570	64.569	0.887	-0.230	1.374	0.000
12	0.600	1.968	61.850	61.870	1.053	3.210	1.702	0.000
13	0.650	2.133	57.540	57.551	1.391	1.750	2.417	0.000
14	0.700	2.297	50.340	50.379	1.579	6.260	3.134	0.000
15	0.750	2.461	50.090	50.101	2.347	1.830	4.684	0.000
16	0.800	2.625	80.910	80.939	1.514	4.610	1.871	0.000
17	0.850	2.789	447.580	447.593	1.995	2.020	0.446	0.000
18	0.900	2.953	388.650	388.756	0.000	17.010	0.000	0.000
19	0.950	3.117	469.390	469.416	0.000	4.160	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221610
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-13-5S
Cone ID:	226:T1500F15U500
Operator:	DC/YB
CPT Date:	Feb-04-2014
CPT Time:	08:36
CPT File:	13-53075_GP13-5S.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722270.840
Northing / Lat:	4294342.440
Elevation:	144.800
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	2.070	2.075	0.001	0.750	0.048	32.000
2	0.100	0.328	13.520	13.558	0.005	6.040	0.037	45.300
3	0.150	0.492	21.320	21.352	0.001	5.050	0.005	51.200
4	0.200	0.656	24.040	24.070	0.001	4.750	0.004	59.000
5	0.250	0.820	22.400	22.425	0.001	4.080	0.004	66.100
6	0.300	0.984	20.370	20.392	0.001	3.480	0.005	56.300
7	0.350	1.148	17.940	17.967	0.002	4.360	0.011	65.100
8	0.400	1.312	18.150	18.175	0.001	3.950	0.006	60.400
9	0.450	1.476	17.440	17.462	0.002	3.480	0.011	63.500
10	0.500	1.640	16.440	16.461	0.001	3.340	0.006	76.400
11	0.550	1.804	15.690	15.709	0.002	3.080	0.013	73.600
12	0.600	1.968	15.180	15.198	0.001	2.930	0.007	72.500
13	0.650	2.133	14.370	14.387	0.002	2.650	0.014	76.100
14	0.700	2.297	13.900	13.916	0.001	2.510	0.007	72.900
15	0.750	2.461	13.030	13.045	0.001	2.420	0.008	65.900
16	0.800	2.625	12.550	12.565	0.002	2.380	0.016	60.300
17	0.850	2.789	12.550	12.564	0.002	2.220	0.016	56.200
18	0.900	2.953	12.300	12.313	0.001	2.140	0.008	48.700
19	0.950	3.117	11.080	11.093	0.001	2.090	0.009	47.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	10.370	10.382	0.001	1.870	0.010	34.000
21	1.050	3.445	9.550	9.562	0.001	1.850	0.010	42.800
22	1.100	3.609	9.640	9.652	0.003	1.970	0.031	40.400
23	1.150	3.773	8.010	8.020	0.004	1.630	0.050	41.000
24	1.200	3.937	6.600	6.609	0.003	1.520	0.045	50.400
25	1.250	4.101	6.040	6.049	0.003	1.480	0.050	42.200
26	1.300	4.265	5.300	5.309	0.005	1.450	0.094	40.800
27	1.350	4.429	4.730	4.739	0.002	1.430	0.042	47.000
28	1.400	4.593	4.310	4.319	0.005	1.410	0.116	41.400
29	1.450	4.757	3.810	3.818	0.006	1.350	0.157	43.400
30	1.500	4.921	3.390	3.398	0.009	1.350	0.265	32.700
31	1.550	5.085	2.600	2.607	0.009	1.080	0.345	38.100
32	1.600	5.249	1.960	1.969	0.007	1.390	0.356	31.600
33	1.650	5.413	1.280	1.289	0.009	1.380	0.698	28.100
34	1.700	5.577	1.090	1.099	0.007	1.390	0.637	26.100
35	1.750	5.741	1.290	1.298	0.009	1.350	0.693	37.200
36	1.800	5.905	1.620	1.629	0.008	1.370	0.491	31.000
37	1.850	6.069	2.100	2.110	0.007	1.590	0.332	34.200
38	1.900	6.234	1.830	1.840	0.008	1.660	0.435	31.700
39	1.950	6.398	1.860	1.871	0.008	1.790	0.428	41.300
40	2.000	6.562	1.960	1.970	0.009	1.650	0.457	36.700
41	2.050	6.726	2.030	2.041	0.008	1.690	0.392	40.400
42	2.100	6.890	2.650	2.662	0.008	1.880	0.301	38.100
43	2.150	7.054	3.170	3.182	0.007	1.950	0.220	39.600
44	2.200	7.218	4.520	4.533	0.007	2.070	0.154	40.300
45	2.250	7.382	5.190	5.204	0.009	2.220	0.173	37.600
46	2.300	7.546	4.880	4.893	0.010	2.080	0.204	33.700
47	2.350	7.710	4.780	4.794	0.010	2.170	0.209	32.900
48	2.400	7.874	5.070	5.083	0.007	2.010	0.138	35.100
49	2.450	8.038	5.070	5.083	0.010	2.090	0.197	30.200
50	2.500	8.202	4.990	5.003	0.011	2.140	0.220	26.500
51	2.550	8.366	4.770	4.783	0.010	2.040	0.209	32.400
52	2.600	8.530	5.140	5.154	0.011	2.260	0.213	19.900
53	2.650	8.694	4.350	4.364	0.009	2.280	0.206	35.000
54	2.700	8.858	4.480	4.494	0.010	2.300	0.223	38.000
55	2.750	9.022	4.720	4.733	0.008	2.130	0.169	45.000
56	2.800	9.186	4.530	4.543	0.008	2.150	0.176	42.600
57	2.850	9.350	4.510	4.524	0.008	2.270	0.177	48.400
58	2.900	9.514	4.690	4.704	0.007	2.210	0.149	57.400
59	2.950	9.678	4.270	4.283	0.008	2.090	0.187	50.500
60	3.000	9.842	3.880	3.893	0.005	2.120	0.128	60.500
61	3.050	10.006	3.520	3.532	0.009	1.930	0.255	57.800
62	3.100	10.170	4.120	4.133	0.011	2.040	0.266	62.400
63	3.150	10.335	5.740	5.752	0.010	1.900	0.174	74.300
64	3.200	10.499	7.700	7.686	0.013	-2.240	0.169	70.700
65	3.250	10.663	11.780	11.787	0.150	1.060	1.273	83.800
66	3.300	10.827	14.920	14.939	0.178	2.970	1.192	73.200
67	3.350	10.991	14.790	14.819	0.241	4.690	1.626	70.700
68	3.400	11.155	13.250	13.276	0.195	4.090	1.469	76.400
69	3.450	11.319	3.940	3.955	0.129	2.400	3.262	86.500
70	3.500	11.483	3.840	3.861	0.014	3.360	0.363	94.700
71	3.550	11.647	3.770	3.792	0.211	3.470	5.565	77.600
72	3.600	11.811	14.660	14.666	0.380	0.950	2.591	78.500
73	3.650	11.975	176.350	176.397	0.970	7.590	0.550	79.400
74	3.700	12.139	143.130	143.167	1.284	5.870	0.897	67.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	63.530	63.564	1.441	5.370	2.267	87.000
76	3.800	12.467	51.360	51.395	1.707	5.620	3.321	72.100
77	3.850	12.631	34.060	34.096	1.093	5.800	3.206	63.400
78	3.900	12.795	21.720	21.768	0.641	7.620	2.945	49.500
79	3.950	12.959	20.150	20.137	0.505	-2.040	2.508	52.000
80	4.000	13.123	27.310	27.337	0.450	4.320	1.646	37.200
81	4.050	13.287	24.360	24.393	0.365	5.310	1.496	37.700
82	4.100	13.451	19.800	19.835	0.335	5.650	1.689	25.100
83	4.150	13.615	16.970	17.005	0.309	5.620	1.817	23.000
84	4.200	13.779	23.020	23.047	0.504	4.330	2.187	28.100
85	4.250	13.943	20.400	20.437	0.549	5.850	2.686	23.300
86	4.300	14.107	24.820	24.854	0.717	5.370	2.885	27.100
87	4.350	14.271	23.420	23.454	0.709	5.470	3.023	32.800
88	4.400	14.436	30.330	30.360	0.852	4.780	2.806	40.800
89	4.450	14.600	33.320	33.346	0.702	4.190	2.105	55.600
90	4.500	14.764	35.490	35.516	0.520	4.230	1.464	70.100
91	4.550	14.928	31.920	31.944	0.444	3.780	1.390	74.300
92	4.600	15.092	35.200	35.235	0.482	5.660	1.368	81.200
93	4.650	15.256	33.270	33.278	0.533	1.230	1.602	86.700
94	4.700	15.420	26.410	26.404	0.654	-0.890	2.477	70.500
95	4.750	15.584	18.660	18.642	0.492	-2.950	2.639	65.100
96	4.800	15.748	21.970	21.947	0.661	-3.690	3.012	48.700
97	4.850	15.912	31.030	31.019	0.627	-1.700	2.021	41.900
98	4.900	16.076	23.270	23.261	0.814	-1.380	3.499	35.900
99	4.950	16.240	23.970	23.971	0.765	0.150	3.191	26.700
100	5.000	16.404	17.830	17.845	0.593	2.360	3.323	24.800
101	5.050	16.568	21.080	21.098	0.493	2.910	2.337	22.700
102	5.100	16.732	22.830	22.832	0.393	0.270	1.721	17.900
103	5.150	16.896	23.660	23.678	0.488	2.830	2.061	18.600
104	5.200	17.060	11.660	11.672	0.483	1.910	4.138	18.100
105	5.250	17.224	10.070	10.053	0.343	-2.780	3.412	16.400
106	5.300	17.388	22.190	22.207	0.141	2.670	0.635	19.000
107	5.350	17.552	10.030	10.059	0.305	4.680	3.032	16.600
108	5.400	17.716	12.390	12.409	0.236	3.060	1.902	16.100
109	5.450	17.880	4.180	4.197	0.231	2.710	5.504	18.900
110	5.500	18.044	16.980	17.000	0.126	3.200	0.741	21.900
111	5.550	18.208	8.030	8.057	0.245	4.310	3.041	25.900
112	5.600	18.372	49.410	49.421	0.847	1.820	1.714	33.800
113	5.650	18.537	68.410	68.431	0.802	3.290	1.172	42.400
114	5.700	18.701	85.120	85.144	0.803	3.830	0.943	48.000
115	5.750	18.865	45.110	45.140	0.834	4.730	1.848	57.000
116	5.800	19.029	32.210	32.212	0.999	0.310	3.101	54.700
117	5.850	19.193	30.080	30.074	0.762	-0.890	2.534	46.200
118	5.900	19.357	36.880	36.869	0.788	-1.780	2.137	49.400
119	5.950	19.521	37.470	37.474	0.726	0.680	1.937	37.700
120	6.000	19.685	198.950	198.958	0.953	1.250	0.479	40.400
121	6.050	19.849	315.690	315.702	0.667	1.930	0.211	45.600
122	6.100	20.013	382.810	382.858	3.158	7.610	0.825	55.100
123	6.150	20.177	377.730	377.826	2.981	15.390	0.789	54.300
124	6.200	20.341	25.090	25.292	1.795	32.430	7.097	36.700
125	6.250	20.505	41.060	41.132	0.624	11.600	1.517	34.600
126	6.300	20.669	47.380	47.454	0.459	11.810	0.967	31.000
127	6.350	20.833	25.250	25.296	0.319	7.420	1.261	23.700
128	6.400	20.997	30.810	30.815	0.480	0.880	1.558	15.400
129	6.450	21.161	44.000	44.090	0.695	14.380	1.576	13.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	37.150	37.220	0.990	11.290	2.660	9.900
131	6.550	21.489	43.010	43.077	1.119	10.680	2.598	14.000
132	6.600	21.653	41.220	41.263	0.922	6.920	2.234	8.700
133	6.650	21.817	40.280	40.316	0.831	5.830	2.061	9.200
134	6.700	21.981	72.150	72.184	1.138	5.510	1.577	9.800
135	6.750	22.145	37.590	37.616	1.234	4.170	3.281	12.500
136	6.800	22.309	21.070	21.104	0.987	5.450	4.677	13.600
137	6.850	22.473	25.680	25.712	0.643	5.100	2.501	15.700
138	6.900	22.638	35.830	35.859	0.765	4.610	2.133	14.800
139	6.950	22.802	37.190	37.230	0.868	6.390	2.331	21.500
140	7.000	22.966	31.820	31.854	1.020	5.460	3.202	25.100
141	7.050	23.130	44.350	44.385	1.059	5.570	2.386	42.200
142	7.100	23.294	41.220	41.267	1.020	7.470	2.472	40.600
143	7.150	23.458	43.460	43.495	1.008	5.660	2.317	50.200
144	7.200	23.622	62.370	62.398	1.236	4.460	1.981	63.200
145	7.250	23.786	32.900	32.942	1.087	6.750	3.300	67.800
146	7.300	23.950	18.770	18.818	1.071	7.680	5.691	69.900
147	7.350	24.114	20.390	20.439	0.827	7.850	4.046	65.200
148	7.400	24.278	37.940	37.999	0.632	9.400	1.663	62.700
149	7.450	24.442	28.000	28.033	0.597	5.220	2.130	48.700
150	7.500	24.606	21.750	21.793	0.520	6.840	2.386	33.800
151	7.550	24.770	30.710	30.754	0.698	6.970	2.270	27.100
152	7.600	24.934	36.950	37.018	1.079	10.860	2.915	24.700
153	7.650	25.098	32.840	32.906	1.242	10.520	3.774	23.200
154	7.700	25.262	30.340	30.454	1.611	18.280	5.290	27.900
155	7.750	25.426	26.820	26.921	1.203	16.240	4.469	17.800
156	7.800	25.590	49.790	49.909	2.075	19.090	4.158	17.300
157	7.850	25.754	188.060	188.239	3.142	28.600	1.669	13.900
158	7.900	25.918	78.070	78.244	3.084	27.900	3.942	14.700
159	7.950	26.082	50.650	50.712	2.453	9.990	4.837	13.400
160	8.000	26.246	56.350	56.498	1.035	23.760	1.832	16.800
161	8.050	26.410	48.260	48.388	1.184	20.530	2.447	16.000
162	8.100	26.574	46.180	46.278	1.131	15.690	2.444	19.300
163	8.150	26.739	31.640	31.723	1.177	13.350	3.710	21.900
164	8.200	26.903	27.030	27.112	1.347	13.140	4.968	27.700
165	8.250	27.067	58.240	58.314	1.323	11.790	2.269	31.100
166	8.300	27.231	63.370	63.475	1.403	16.800	2.210	39.200
167	8.350	27.395	36.780	36.915	1.113	21.610	3.015	48.300
168	8.400	27.559	40.600	40.725	1.656	20.000	4.066	34.600
169	8.450	27.723	46.620	46.704	1.805	13.520	3.865	34.800
170	8.500	27.887	40.860	40.935	1.157	11.960	2.826	17.200
171	8.550	28.051	102.890	102.937	1.196	7.530	1.162	25.600
172	8.600	28.215	31.410	31.444	1.190	5.490	3.784	15.800
173	8.650	28.379	19.280	19.323	1.082	6.910	5.600	14.100
174	8.700	28.543	29.900	29.954	0.635	8.640	2.120	16.600
175	8.750	28.707	37.190	37.248	0.586	9.330	1.573	16.400
176	8.800	28.871	18.380	18.421	0.528	6.550	2.866	16.400
177	8.850	29.035	29.790	29.812	0.599	3.600	2.009	12.100
178	8.900	29.199	36.090	36.112	0.783	3.550	2.168	18.700
179	8.950	29.363	26.730	26.746	0.719	2.540	2.688	24.500
180	9.000	29.527	22.520	22.556	0.568	5.830	2.518	23.500
181	9.050	29.691	22.280	22.311	0.419	4.920	1.878	33.000
182	9.100	29.855	24.020	24.019	0.599	-0.090	2.494	43.300
183	9.150	30.019	27.090	27.121	0.359	5.020	1.324	44.100
184	9.200	30.183	14.450	14.502	0.284	8.340	1.958	54.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	28.550	28.667	0.336	18.770	1.172	46.500
186	9.300	30.511	26.120	26.240	0.290	19.180	1.105	46.200
187	9.350	30.675	22.910	23.051	0.318	22.540	1.380	54.600
188	9.400	30.840	20.540	20.729	0.391	30.220	1.886	50.500
189	9.450	31.004	27.740	27.949	0.584	33.500	2.090	45.400
190	9.500	31.168	32.130	32.516	0.962	61.800	2.959	41.300
191	9.550	31.332	113.900	114.040	1.759	22.410	1.542	30.500
192	9.600	31.496	129.640	129.703	2.432	10.070	1.875	30.000
193	9.650	31.660	106.070	106.136	2.191	10.500	2.064	25.000
194	9.700	31.824	93.920	93.975	2.412	8.750	2.567	24.900
195	9.750	31.988	64.740	64.804	1.817	10.200	2.804	31.400
196	9.800	32.152	41.290	41.361	1.397	11.420	3.378	35.800
197	9.850	32.316	36.820	36.882	0.904	9.870	2.451	42.500
198	9.900	32.480	23.480	23.580	0.774	16.080	3.282	36.100
199	9.950	32.644	24.350	24.447	0.893	15.520	3.653	38.300
200	10.000	32.808	34.220	34.304	0.865	13.450	2.522	33.400
201	10.050	32.972	48.760	48.816	0.866	8.920	1.774	29.800
202	10.100	33.136	33.200	33.253	0.843	8.510	2.535	19.900
203	10.150	33.300	49.360	49.398	0.828	6.040	1.676	20.800
204	10.200	33.464	44.420	44.466	0.835	7.360	1.878	17.700
205	10.250	33.628	50.910	50.978	0.985	10.880	1.932	17.000
206	10.300	33.792	57.430	57.500	1.256	11.160	2.184	15.300
207	10.350	33.956	50.310	50.372	1.294	9.890	2.569	15.600
208	10.400	34.120	26.450	26.487	1.267	5.950	4.783	12.500
209	10.450	34.284	24.390	24.423	1.194	5.290	4.889	10.700
210	10.500	34.448	17.070	17.130	1.069	9.630	6.240	10.400
211	10.550	34.612	56.940	57.024	1.330	13.490	2.332	10.400
212	10.600	34.776	27.380	27.436	1.274	9.020	4.643	11.100
213	10.650	34.941	55.910	55.939	1.364	4.650	2.438	8.200
214	10.700	35.105	72.440	72.476	1.500	5.720	2.070	9.600
215	10.750	35.269	39.670	39.723	1.396	8.430	3.514	6.800
216	10.800	35.433	32.550	32.567	1.458	2.750	4.477	10.900
217	10.850	35.597	36.610	36.639	0.980	4.620	2.675	12.100
218	10.900	35.761	30.140	30.206	0.830	10.560	2.748	13.300
219	10.950	35.925	24.780	24.848	0.930	10.940	3.743	18.700
220	11.000	36.089	47.300	47.391	0.898	14.570	1.895	19.800
221	11.050	36.253	86.790	86.867	0.874	12.270	1.006	25.500
222	11.100	36.417	60.050	60.125	0.902	12.000	1.500	26.200
223	11.150	36.581	44.610	44.657	1.387	7.510	3.106	29.500
224	11.200	36.745	34.980	35.031	1.033	8.170	2.949	36.700
225	11.250	36.909	79.260	79.329	0.890	11.120	1.122	36.800
226	11.300	37.073	194.320	194.376	0.758	8.910	0.390	44.500
227	11.350	37.237	143.210	143.239	1.415	4.660	0.988	40.100
228	11.400	37.401	83.730	83.762	1.736	5.050	2.073	51.400
229	11.450	37.565	54.130	54.161	1.506	5.010	2.781	51.000
230	11.500	37.729	68.070	68.124	1.483	8.650	2.177	41.600
231	11.550	37.893	136.070	136.126	1.768	8.950	1.299	34.700
232	11.600	38.057	163.810	163.863	2.843	8.470	1.735	28.200
233	11.650	38.221	116.600	116.656	3.190	8.960	2.735	24.300
234	11.700	38.385	88.530	88.605	2.925	12.010	3.301	24.100
235	11.750	38.549	77.310	77.378	2.491	10.820	3.219	19.400
236	11.800	38.713	47.390	47.460	1.444	11.240	3.043	0.000
237	11.850	38.877	26.700	26.752	0.984	8.290	3.678	0.000
238	11.900	39.042	28.590	28.624	0.482	5.480	1.684	0.000
239	11.950	39.206	19.790	19.825	0.638	5.600	3.218	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	14.740	14.777	0.683	5.990	4.622	0.000
241	12.050	39.534	40.190	40.197	0.697	1.130	1.734	0.000
242	12.100	39.698	45.170	45.229	0.853	9.390	1.886	0.000
243	12.150	39.862	86.450	86.498	1.288	7.620	1.489	0.000
244	12.200	40.026	141.290	141.326	1.164	5.820	0.824	0.000
245	12.250	40.190	77.210	77.239	1.466	4.660	1.898	0.000
246	12.300	40.354	101.750	101.800	1.578	8.080	1.550	0.000
247	12.350	40.518	167.610	167.661	1.437	8.100	0.857	0.000
248	12.400	40.682	278.260	278.309	2.007	7.880	0.721	0.000
249	12.450	40.846	131.590	131.623	3.439	5.310	2.613	0.000
250	12.500	41.010	70.210	70.245	2.968	5.590	4.225	0.000
251	12.550	41.174	109.200	109.258	0.000	9.250	0.000	0.000
252	12.600	41.338	399.210	399.268	0.000	9.350	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221611
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-13-6
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-22-2013
CPT Time:	07:44
CPT File:	13-53075_GP13-6.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722278.808
Northing / Lat:	4294326.042
Elevation:	144.940
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	9.510	9.517	0.001	1.170	0.011	30.500
2	0.100	0.328	14.430	14.435	0.001	0.810	0.007	37.200
3	0.150	0.492	14.630	14.649	0.001	3.010	0.007	42.000
4	0.200	0.656	24.070	24.079	0.001	1.430	0.004	54.700
5	0.250	0.820	40.780	40.789	0.137	1.420	0.336	63.400
6	0.300	0.984	31.430	31.459	0.345	4.600	1.097	76.600
7	0.350	1.148	30.230	30.236	0.605	1.020	2.001	78.400
8	0.400	1.312	38.520	38.480	0.850	-6.370	2.209	75.100
9	0.450	1.476	40.060	40.071	1.025	1.690	2.558	68.000
10	0.500	1.640	50.880	50.887	1.001	1.110	1.967	75.400
11	0.550	1.804	87.770	87.789	1.063	2.990	1.211	76.900
12	0.600	1.968	118.220	118.219	1.617	-0.100	1.368	85.700
13	0.650	2.133	117.690	117.692	1.643	0.330	1.396	77.600
14	0.700	2.297	100.570	100.571	1.917	0.200	1.906	79.000
15	0.750	2.461	77.320	77.325	2.481	0.810	3.209	82.600
16	0.800	2.625	60.750	60.752	2.392	0.370	3.937	81.700
17	0.850	2.789	67.530	67.539	2.076	1.500	3.074	87.300
18	0.900	2.953	51.690	51.695	1.922	0.810	3.718	74.100
19	0.950	3.117	47.120	47.107	1.744	-2.100	3.702	90.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	34.500	34.522	1.466	3.600	4.247	81.300
21	1.050	3.445	29.100	29.111	1.162	1.790	3.992	96.700
22	1.100	3.609	24.630	24.635	0.925	0.850	3.755	88.800
23	1.150	3.773	22.550	22.554	0.750	0.570	3.325	76.100
24	1.200	3.937	19.000	18.997	0.678	-0.510	3.569	85.400
25	1.250	4.101	14.050	14.028	0.601	-3.460	4.284	74.000
26	1.300	4.265	12.340	12.321	0.547	-3.090	4.440	81.600
27	1.350	4.429	13.090	13.080	0.521	-1.620	3.983	77.400
28	1.400	4.593	12.810	12.796	0.484	-2.320	3.783	73.800
29	1.450	4.757	12.760	12.742	0.437	-2.940	3.430	85.100
30	1.500	4.921	12.720	12.696	0.372	-3.830	2.930	82.800
31	1.550	5.085	14.320	14.314	0.368	-0.890	2.571	78.700
32	1.600	5.249	14.420	14.419	0.361	-0.140	2.504	81.100
33	1.650	5.413	14.110	14.109	0.412	-0.160	2.920	78.000
34	1.700	5.577	12.790	12.796	0.362	1.040	2.829	80.000
35	1.750	5.741	13.390	13.399	0.342	1.470	2.552	79.100
36	1.800	5.905	12.320	12.315	0.305	-0.790	2.477	80.100
37	1.850	6.069	9.890	9.884	0.283	-1.000	2.863	0.000
38	1.900	6.234	8.850	8.844	0.211	-1.040	2.386	0.000
39	1.950	6.398	8.350	8.353	0.191	0.440	2.287	0.000
40	2.000	6.562	10.570	10.569	0.240	-0.170	2.271	0.000
41	2.050	6.726	14.010	14.003	0.326	-1.140	2.328	0.000
42	2.100	6.890	13.790	13.808	0.452	2.960	3.273	0.000
43	2.150	7.054	13.450	13.453	0.491	0.440	3.650	0.000
44	2.200	7.218	17.840	17.843	0.518	0.520	2.903	0.000
45	2.250	7.382	15.890	15.886	0.537	-0.630	3.380	0.000
46	2.300	7.546	12.750	12.750	0.552	0.000	4.329	0.000
47	2.350	7.710	12.850	12.870	1.246	3.160	9.682	0.000
48	2.400	7.874	55.850	55.903	2.978	8.530	5.327	0.000
49	2.450	8.038	357.970	358.051	3.183	13.050	0.889	0.000
50	2.500	8.202	394.690	394.712	1.720	3.480	0.436	0.000
51	2.550	8.366	419.190	419.218	0.000	4.460	0.000	0.000
52	2.600	8.530	463.520	463.538	0.000	2.960	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221613
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-13-6S
Cone ID:	226:T1500F15U500
Operator:	DC/YB
CPT Date:	Feb-03-2014
CPT Time:	16:10
CPT File:	13-53075_GP13-6S.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722278.770
Northing / Lat:	4294326.290
Elevation:	144.960
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	9.890	9.889	0.002	-0.140	0.020	27.000
2	0.100	0.328	22.060	22.073	0.003	2.120	0.014	29.500
3	0.150	0.492	12.980	12.995	0.001	2.430	0.008	34.300
4	0.200	0.656	8.910	8.922	0.003	1.910	0.034	46.500
5	0.250	0.820	7.740	7.754	0.002	2.290	0.026	54.000
6	0.300	0.984	6.310	6.323	0.002	2.090	0.032	62.400
7	0.350	1.148	6.970	6.982	0.003	1.860	0.043	55.600
8	0.400	1.312	7.690	7.701	0.004	1.820	0.052	60.100
9	0.450	1.476	8.410	8.421	0.002	1.830	0.024	58.300
10	0.500	1.640	8.230	8.241	0.001	1.810	0.012	61.000
11	0.550	1.804	8.250	8.260	0.004	1.560	0.048	57.100
12	0.600	1.968	8.800	8.810	0.003	1.570	0.034	58.700
13	0.650	2.133	9.510	9.516	0.005	1.030	0.053	52.100
14	0.700	2.297	10.890	10.897	0.004	1.090	0.037	51.200
15	0.750	2.461	10.800	10.806	0.002	0.970	0.019	67.800
16	0.800	2.625	10.490	10.496	0.002	0.890	0.019	68.000
17	0.850	2.789	11.080	11.085	0.005	0.800	0.045	62.500
18	0.900	2.953	11.750	11.755	0.004	0.770	0.034	63.400
19	0.950	3.117	11.190	11.195	0.004	0.760	0.036	60.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	10.160	10.164	0.004	0.720	0.039	67.400
21	1.050	3.445	9.510	9.514	0.003	0.580	0.032	68.700
22	1.100	3.609	9.000	9.004	0.005	0.610	0.056	66.400
23	1.150	3.773	8.780	8.783	0.005	0.440	0.057	67.300
24	1.200	3.937	8.480	8.484	0.006	0.590	0.071	63.000
25	1.250	4.101	8.150	8.153	0.005	0.540	0.061	71.500
26	1.300	4.265	7.970	7.973	0.005	0.480	0.063	64.900
27	1.350	4.429	7.930	7.933	0.005	0.440	0.063	68.000
28	1.400	4.593	7.480	7.483	0.004	0.480	0.053	66.600
29	1.450	4.757	6.620	6.623	0.007	0.420	0.106	53.000
30	1.500	4.921	6.330	6.331	0.006	0.180	0.095	52.500
31	1.550	5.085	5.910	5.912	0.002	0.270	0.034	67.800
32	1.600	5.249	5.780	5.781	0.004	0.230	0.069	71.800
33	1.650	5.413	6.000	5.998	0.003	-0.280	0.050	68.400
34	1.700	5.577	6.400	6.399	0.002	-0.200	0.031	59.800
35	1.750	5.741	6.620	6.620	0.003	-0.060	0.045	64.200
36	1.800	5.905	6.960	6.958	0.002	-0.260	0.029	76.500
37	1.850	6.069	7.140	7.140	0.003	-0.060	0.042	79.800
38	1.900	6.234	7.750	7.749	0.006	-0.180	0.077	79.000
39	1.950	6.398	8.690	8.690	0.001	-0.080	0.012	74.800
40	2.000	6.562	10.440	10.440	0.001	-0.010	0.010	87.200
41	2.050	6.726	10.900	10.901	0.002	0.120	0.018	89.900
42	2.100	6.890	10.100	10.100	0.002	-0.070	0.020	92.100
43	2.150	7.054	8.860	8.859	0.003	-0.150	0.034	90.900
44	2.200	7.218	9.470	9.470	0.002	-0.040	0.021	68.000
45	2.250	7.382	11.150	11.151	0.001	0.140	0.009	75.200
46	2.300	7.546	14.480	14.480	0.003	0.080	0.021	64.500
47	2.350	7.710	14.560	14.560	0.001	0.080	0.007	58.000
48	2.400	7.874	15.160	15.161	0.002	0.180	0.013	56.800
49	2.450	8.038	53.380	53.377	0.711	-0.560	1.332	59.600
50	2.500	8.202	79.540	79.543	0.572	0.560	0.719	49.500
51	2.550	8.366	90.510	90.517	0.597	1.140	0.660	45.200
52	2.600	8.530	77.010	77.011	1.136	0.110	1.475	43.300
53	2.650	8.694	22.500	22.512	0.974	1.920	4.327	33.300
54	2.700	8.858	15.190	15.208	0.272	2.810	1.789	35.900
55	2.750	9.022	10.240	10.255	0.045	2.380	0.439	31.400
56	2.800	9.186	5.290	5.303	0.002	2.040	0.038	38.800
57	2.850	9.350	3.810	3.822	0.004	1.900	0.105	40.400
58	2.900	9.514	2.730	2.741	0.007	1.820	0.255	39.200
59	2.950	9.678	2.490	2.502	0.008	1.970	0.320	33.400
60	3.000	9.842	2.510	2.521	0.009	1.740	0.357	45.100
61	3.050	10.006	2.640	2.649	0.008	1.520	0.302	38.600
62	3.100	10.170	3.100	3.110	0.010	1.580	0.322	45.900
63	3.150	10.335	3.350	3.359	0.010	1.470	0.298	39.900
64	3.200	10.499	3.850	3.858	0.009	1.270	0.233	36.900
65	3.250	10.663	3.810	3.818	0.010	1.360	0.262	33.100
66	3.300	10.827	3.670	3.677	0.009	1.200	0.245	49.700
67	3.350	10.991	3.920	3.929	0.006	1.400	0.153	42.200
68	3.400	11.155	3.810	3.817	0.009	1.180	0.236	34.500
69	3.450	11.319	3.240	3.248	0.006	1.340	0.185	34.700
70	3.500	11.483	2.610	2.617	0.009	1.200	0.344	37.900
71	3.550	11.647	2.010	2.017	0.010	1.160	0.496	33.100
72	3.600	11.811	2.080	2.086	0.010	0.930	0.479	35.100
73	3.650	11.975	2.120	2.128	0.009	1.330	0.423	35.000
74	3.700	12.139	2.270	2.284	0.019	2.310	0.832	37.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	2.770	2.786	0.012	2.630	0.431	45.300
76	3.800	12.467	1.970	1.972	0.014	0.360	0.710	43.200
77	3.850	12.631	3.200	3.216	0.060	2.550	1.866	38.800
78	3.900	12.795	7.540	7.567	0.128	4.330	1.692	45.000
79	3.950	12.959	20.700	20.712	0.116	1.970	0.560	45.900
80	4.000	13.123	21.750	21.766	0.051	2.520	0.234	41.900
81	4.050	13.287	3.030	3.045	0.163	2.370	5.353	56.000
82	4.100	13.451	14.840	14.856	0.240	2.630	1.615	58.900
83	4.150	13.615	2.550	2.560	0.500	1.650	19.529	58.600
84	4.200	13.779	33.090	33.118	0.115	4.460	0.347	49.800
85	4.250	13.943	56.760	56.767	0.060	1.160	0.106	57.600
86	4.300	14.107	49.120	49.130	0.127	1.580	0.258	56.700
87	4.350	14.271	36.290	36.315	0.136	4.080	0.374	61.200
88	4.400	14.436	29.970	30.001	0.132	5.030	0.440	55.800
89	4.450	14.600	22.530	22.569	0.743	6.250	3.292	60.700
90	4.500	14.764	14.520	14.566	0.661	7.440	4.538	62.500
91	4.550	14.928	5.960	6.016	0.431	9.030	7.164	80.700
92	4.600	15.092	5.390	5.455	0.123	10.470	2.255	86.300
93	4.650	15.256	6.450	6.542	0.159	14.750	2.430	87.400
94	4.700	15.420	7.390	7.491	0.190	16.250	2.536	90.000
95	4.750	15.584	9.960	10.071	0.247	17.750	2.453	81.900
96	4.800	15.748	13.800	13.915	0.261	18.380	1.876	80.000
97	4.850	15.912	12.580	12.691	0.330	17.810	2.600	79.400
98	4.900	16.076	15.050	15.155	0.368	16.770	2.428	77.100
99	4.950	16.240	11.880	11.972	0.371	14.780	3.099	62.700
100	5.000	16.404	12.290	12.391	0.382	16.230	3.083	54.700
101	5.050	16.568	16.350	16.455	0.439	16.750	2.668	44.900
102	5.100	16.732	16.680	16.764	0.331	13.380	1.975	40.900
103	5.150	16.896	14.300	14.367	0.454	10.730	3.160	32.600
104	5.200	17.060	23.010	23.078	0.460	10.910	1.993	29.600
105	5.250	17.224	19.930	20.001	0.610	11.380	3.050	23.000
106	5.300	17.388	26.430	26.503	0.534	11.630	2.015	28.700
107	5.350	17.552	15.460	15.548	0.591	14.060	3.801	27.200
108	5.400	17.716	22.690	22.781	0.485	14.540	2.129	37.700
109	5.450	17.880	20.500	20.584	0.902	13.440	4.382	28.200
110	5.500	18.044	45.960	46.044	0.818	13.390	1.777	45.700
111	5.550	18.208	59.110	59.180	0.634	11.280	1.071	50.100
112	5.600	18.372	19.370	19.435	0.509	10.360	2.619	58.800
113	5.650	18.537	19.930	20.015	0.368	13.670	1.839	70.900
114	5.700	18.701	22.450	22.527	0.430	12.270	1.909	66.900
115	5.750	18.865	25.100	25.170	0.401	11.200	1.593	86.400
116	5.800	19.029	34.280	34.350	0.425	11.180	1.237	80.400
117	5.850	19.193	55.700	55.763	0.458	10.150	0.821	82.400
118	5.900	19.357	68.090	68.150	0.578	9.680	0.848	90.300
119	5.950	19.521	69.860	69.917	0.731	9.150	1.046	89.600
120	6.000	19.685	63.610	63.664	1.115	8.590	1.751	88.800
121	6.050	19.849	59.340	59.396	1.036	8.920	1.744	95.100
122	6.100	20.013	61.340	61.401	1.227	9.830	1.998	94.000
123	6.150	20.177	57.650	57.704	1.197	8.590	2.074	98.000
124	6.200	20.341	58.620	58.667	1.268	7.460	2.161	100.400
125	6.250	20.505	51.950	51.995	1.545	7.200	2.971	95.200
126	6.300	20.669	57.560	57.602	1.492	6.720	2.590	88.300
127	6.350	20.833	54.170	54.208	1.360	6.020	2.509	78.500
128	6.400	20.997	61.310	61.344	1.483	5.520	2.417	66.200
129	6.450	21.161	50.590	50.636	2.064	7.310	4.076	47.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	87.870	87.920	3.235	7.990	3.679	32.200
131	6.550	21.489	142.010	142.063	1.765	8.530	1.242	38.500
132	6.600	21.653	55.210	55.249	1.174	6.280	2.125	29.200
133	6.650	21.817	93.810	93.871	1.105	9.780	1.177	32.000
134	6.700	21.981	67.640	67.701	0.591	9.740	0.873	27.200
135	6.750	22.145	82.630	82.666	1.684	5.690	2.037	30.600
136	6.800	22.309	74.870	74.908	1.757	6.150	2.346	24.600
137	6.850	22.473	28.840	28.875	1.661	5.610	5.752	34.500
138	6.900	22.638	23.880	23.910	0.959	4.840	4.011	46.800
139	6.950	22.802	24.570	24.630	1.119	9.590	4.543	53.300
140	7.000	22.966	47.730	47.813	1.243	13.280	2.600	61.700
141	7.050	23.130	29.380	29.474	1.215	15.110	4.122	90.100
142	7.100	23.294	21.800	21.902	0.982	16.310	4.484	96.100
143	7.150	23.458	24.540	24.645	0.798	16.740	3.238	92.100
144	7.200	23.622	42.580	42.690	1.034	17.640	2.422	104.600
145	7.250	23.786	52.020	52.128	1.234	17.380	2.367	109.200
146	7.300	23.950	51.620	51.725	1.288	16.750	2.490	94.700
147	7.350	24.114	64.610	64.714	1.480	16.620	2.287	97.000
148	7.400	24.278	64.770	64.863	1.643	14.880	2.533	105.100
149	7.450	24.442	59.970	60.054	1.815	13.510	3.022	97.300
150	7.500	24.606	45.910	45.985	1.531	11.940	3.329	87.500
151	7.550	24.770	47.030	47.097	1.128	10.810	2.395	77.000
152	7.600	24.934	27.190	27.249	1.057	9.450	3.879	60.700
153	7.650	25.098	25.390	25.426	0.662	5.730	2.604	52.100
154	7.700	25.262	21.520	21.562	1.356	6.760	6.289	42.400
155	7.750	25.426	101.570	101.619	1.692	7.920	1.665	29.100
156	7.800	25.590	33.550	33.618	1.565	10.920	4.655	25.000
157	7.850	25.754	12.910	12.962	1.154	8.330	8.903	32.800
158	7.900	25.918	12.760	12.811	0.539	8.190	4.207	40.500
159	7.950	26.082	11.800	11.841	0.508	6.610	4.290	47.500
160	8.000	26.246	11.770	11.824	0.497	8.700	4.203	50.700
161	8.050	26.410	16.550	16.613	0.489	10.110	2.943	56.400
162	8.100	26.574	14.240	14.314	0.515	11.820	3.598	78.800
163	8.150	26.739	19.310	19.385	0.513	12.080	2.646	69.500
164	8.200	26.903	15.450	15.526	0.571	12.150	3.678	75.600
165	8.250	27.067	18.820	18.903	0.531	13.280	2.809	58.000
166	8.300	27.231	22.220	22.303	0.262	13.230	1.175	42.800
167	8.350	27.395	25.080	25.152	0.409	11.520	1.626	38.700
168	8.400	27.559	22.790	22.861	0.425	11.300	1.859	33.200
169	8.450	27.723	15.780	15.854	0.545	11.780	3.438	37.600
170	8.500	27.887	23.950	24.023	0.534	11.620	2.223	35.100
171	8.550	28.051	13.260	13.322	0.569	9.870	4.271	35.500
172	8.600	28.215	25.280	25.351	0.528	11.390	2.083	51.000
173	8.650	28.379	31.360	31.423	0.763	10.070	2.428	64.000
174	8.700	28.543	33.520	33.584	0.711	10.220	2.117	66.000
175	8.750	28.707	62.400	62.476	0.854	12.160	1.367	84.500
176	8.800	28.871	102.750	102.819	1.191	10.980	1.158	88.000
177	8.850	29.035	99.220	99.280	1.509	9.610	1.520	86.800
178	8.900	29.199	77.540	77.595	1.608	8.870	2.072	93.500
179	8.950	29.363	51.230	51.268	1.361	6.030	2.655	90.500
180	9.000	29.527	36.210	36.242	2.127	5.080	5.869	88.100
181	9.050	29.691	42.940	42.971	0.778	4.900	1.811	88.200
182	9.100	29.855	52.930	52.948	1.548	2.860	2.924	88.200
183	9.150	30.019	57.310	57.334	1.577	3.800	2.751	87.000
184	9.200	30.183	22.630	22.661	1.669	4.920	7.365	60.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	28.780	28.818	0.859	6.100	2.981	42.800
186	9.300	30.511	21.750	21.796	0.781	7.420	3.583	38.700
187	9.350	30.675	22.110	22.170	0.696	9.550	3.139	29.200
188	9.400	30.840	27.820	27.899	0.819	12.590	2.936	26.800
189	9.450	31.004	53.590	53.679	1.025	14.230	1.910	27.000
190	9.500	31.168	49.730	49.815	0.873	13.600	1.752	15.100
191	9.550	31.332	20.100	20.185	1.049	13.630	5.197	8.800
192	9.600	31.496	22.430	22.506	0.720	12.110	3.199	14.900
193	9.650	31.660	33.760	33.822	0.425	10.010	1.257	13.100
194	9.700	31.824	45.920	45.983	0.768	10.160	1.670	17.400
195	9.750	31.988	64.360	64.429	1.176	11.100	1.825	17.100
196	9.800	32.152	64.740	64.814	1.282	11.920	1.978	22.200
197	9.850	32.316	42.330	42.406	1.404	12.230	3.311	28.100
198	9.900	32.480	58.870	58.948	1.024	12.570	1.737	38.900
199	9.950	32.644	49.880	49.938	1.064	9.280	2.131	43.300
200	10.000	32.808	51.120	51.195	1.205	12.000	2.354	57.200
201	10.050	32.972	26.720	26.806	1.147	13.800	4.279	56.000
202	10.100	33.136	49.400	49.507	1.006	17.130	2.032	62.400
203	10.150	33.300	54.010	54.103	0.852	14.870	1.575	58.700
204	10.200	33.464	32.360	32.446	0.807	13.750	2.487	51.700
205	10.250	33.628	23.810	23.867	0.613	9.180	2.568	41.600
206	10.300	33.792	40.560	40.619	0.770	9.470	1.896	33.000
207	10.350	33.956	28.840	28.916	0.773	12.200	2.673	37.200
208	10.400	34.120	26.230	26.303	0.951	11.700	3.616	39.500
209	10.450	34.284	23.960	24.052	0.956	14.710	3.975	52.900
210	10.500	34.448	29.960	30.074	1.063	18.340	3.535	64.100
211	10.550	34.612	49.050	49.191	1.014	22.540	2.061	78.700
212	10.600	34.776	66.280	66.400	1.105	19.250	1.664	71.900
213	10.650	34.941	62.430	62.533	1.129	16.550	1.805	65.600
214	10.700	35.105	49.150	49.244	1.285	15.100	2.609	74.700
215	10.750	35.269	32.960	33.026	1.012	10.570	3.064	52.100
216	10.800	35.433	46.240	46.299	1.211	9.380	2.616	52.700
217	10.850	35.597	47.330	47.385	1.429	8.880	3.016	30.600
218	10.900	35.761	55.880	55.946	1.996	10.650	3.568	24.400
219	10.950	35.925	66.680	66.758	2.336	12.470	3.499	14.300
220	11.000	36.089	77.570	77.675	1.494	16.780	1.923	19.800
221	11.050	36.253	126.680	126.779	1.991	15.910	1.570	12.700
222	11.100	36.417	162.880	162.978	2.504	15.730	1.536	14.400
223	11.150	36.581	90.040	90.125	2.657	13.560	2.948	11.800
224	11.200	36.745	47.960	48.036	2.500	12.210	5.204	17.600
225	11.250	36.909	37.790	37.864	1.781	11.880	4.704	12.800
226	11.300	37.073	30.140	30.226	1.022	13.710	3.381	17.800
227	11.350	37.237	29.240	29.324	0.961	13.510	3.277	18.400
228	11.400	37.401	31.900	31.975	0.966	11.950	3.021	29.100
229	11.450	37.565	16.610	16.692	0.934	13.100	5.596	22.500
230	11.500	37.729	43.130	43.240	1.364	17.570	3.155	38.200
231	11.550	37.893	39.510	39.625	1.186	18.370	2.993	44.100
232	11.600	38.057	27.950	28.065	1.076	18.440	3.834	62.700
233	11.650	38.221	25.400	25.639	0.855	38.320	3.335	71.400
234	11.700	38.385	26.910	27.143	0.900	37.320	3.316	79.900
235	11.750	38.549	28.620	28.864	1.012	39.140	3.506	94.300
236	11.800	38.713	28.870	29.144	1.155	43.870	3.963	71.900
237	11.850	38.877	29.770	30.044	1.154	43.850	3.841	89.000
238	11.900	39.042	26.930	27.180	1.230	39.970	4.525	94.200
239	11.950	39.206	23.090	23.323	1.242	37.290	5.325	81.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	20.170	20.394	1.125	35.910	5.516	76.300
241	12.050	39.534	20.520	20.755	1.151	37.720	5.546	93.200
242	12.100	39.698	27.930	28.159	0.995	36.650	3.534	83.600
243	12.150	39.862	20.800	21.016	1.031	34.670	4.906	91.700
244	12.200	40.026	17.160	17.371	0.964	33.850	5.549	97.600
245	12.250	40.190	14.720	14.925	0.772	32.820	5.173	93.600
246	12.300	40.354	12.840	13.045	0.693	32.890	5.312	84.400
247	12.350	40.518	12.510	12.716	0.606	33.010	4.766	80.000
248	12.400	40.682	12.490	12.696	0.572	32.960	4.505	79.500
249	12.450	40.846	11.090	11.291	0.584	32.220	5.172	79.200
250	12.500	41.010	20.160	20.366	0.623	32.940	3.059	76.200
251	12.550	41.174	49.740	49.942	0.535	32.320	1.071	76.800
252	12.600	41.338	58.030	58.221	0.960	30.630	1.649	73.200
253	12.650	41.502	53.280	53.453	1.292	27.660	2.417	72.200
254	12.700	41.666	23.890	24.059	1.535	27.150	6.380	64.900
255	12.750	41.830	38.070	38.255	1.403	29.690	3.667	56.400
256	12.800	41.994	63.520	63.717	1.675	31.530	2.629	42.000
257	12.850	42.158	66.460	66.630	1.867	27.180	2.802	43.700
258	12.900	42.322	75.660	75.834	1.975	27.860	2.604	45.100
259	12.950	42.486	58.950	59.115	1.949	26.390	3.297	60.400
260	13.000	42.650	33.220	33.385	1.362	26.470	4.080	68.200
261	13.050	42.814	22.960	23.160	0.918	31.990	3.964	73.000
262	13.100	42.978	27.750	28.001	0.713	40.190	2.546	80.700
263	13.150	43.143	22.010	22.256	0.613	39.360	2.754	81.900
264	13.200	43.307	16.520	16.785	0.592	42.400	3.527	86.600
265	13.250	43.471	17.830	18.096	0.512	42.630	2.829	82.800
266	13.300	43.635	18.820	19.095	0.606	44.050	3.174	80.900
267	13.350	43.799	21.410	21.686	0.599	44.190	2.762	60.200
268	13.400	43.963	29.470	29.729	0.539	41.440	1.813	72.200
269	13.450	44.127	35.090	35.292	0.494	32.360	1.400	74.000
270	13.500	44.291	33.870	34.057	0.506	29.930	1.486	69.700
271	13.550	44.455	36.290	36.466	0.833	28.230	2.284	59.100
272	13.600	44.619	43.560	43.730	0.925	27.220	2.115	43.500
273	13.650	44.783	67.300	67.439	1.209	22.330	1.793	27.500
274	13.700	44.947	44.750	44.912	1.511	25.950	3.364	25.900
275	13.750	45.111	57.670	57.815	2.315	23.260	4.004	17.600
276	13.800	45.275	83.850	83.984	3.033	21.500	3.611	19.800
277	13.850	45.439	119.320	119.461	4.527	22.550	3.790	15.900
278	13.900	45.603	178.070	178.215	4.726	23.280	2.652	17.900
279	13.950	45.767	118.360	118.506	5.051	23.380	4.262	16.600
280	14.000	45.931	76.530	76.685	5.962	24.790	7.775	18.400
281	14.050	46.095	111.270	111.427	5.562	25.070	4.992	19.800
282	14.100	46.259	53.820	53.933	3.737	18.070	6.929	23.600
283	14.150	46.423	39.550	39.653	1.916	16.520	4.832	23.600
284	14.200	46.587	82.920	83.060	1.714	22.420	2.064	23.400
285	14.250	46.751	103.170	103.300	1.673	20.850	1.620	26.300
286	14.300	46.915	82.670	82.812	2.348	22.730	2.835	31.000
287	14.350	47.079	53.500	53.630	2.141	20.760	3.992	30.300
288	14.400	47.244	59.170	59.305	1.885	21.600	3.178	25.900
289	14.450	47.408	51.730	51.869	1.226	22.220	2.364	20.700
290	14.500	47.572	45.280	45.416	1.251	21.770	2.755	22.200
291	14.550	47.736	62.160	62.251	1.352	14.540	2.172	22.100
292	14.600	47.900	67.230	67.321	1.497	14.540	2.224	26.000
293	14.650	48.064	49.250	49.364	1.419	18.220	2.875	26.500
294	14.700	48.228	19.190	19.309	1.514	19.110	7.841	24.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	27.350	27.521	1.365	27.390	4.960	17.700
296	14.800	48.556	110.940	111.087	1.657	23.500	1.492	15.900
297	14.850	48.720	77.930	78.048	3.776	18.930	4.838	14.000
298	14.900	48.884	78.470	78.606	3.140	21.800	3.995	11.800
299	14.950	49.048	96.300	96.414	3.540	18.190	3.672	12.100
300	15.000	49.212	175.570	175.697	4.793	20.300	2.728	12.400
301	15.050	49.376	98.010	98.130	5.306	19.250	5.407	11.100
302	15.100	49.540	83.430	83.524	4.353	15.060	5.212	10.800
303	15.150	49.704	81.470	81.569	2.524	15.810	3.094	12.500
304	15.200	49.868	69.820	69.925	0.965	16.780	1.380	10.300
305	15.250	50.032	71.860	72.032	1.542	27.490	2.141	15.600
306	15.300	50.196	83.460	83.634	2.103	27.930	2.515	12.700
307	15.350	50.360	76.930	77.104	1.500	27.810	1.945	16.300
308	15.400	50.524	64.480	64.694	1.879	34.220	2.904	22.700
309	15.450	50.688	67.470	67.667	1.843	31.610	2.724	26.400
310	15.500	50.852	60.160	60.371	2.057	33.740	3.407	28.400
311	15.550	51.016	57.010	57.211	1.680	32.170	2.937	42.600
312	15.600	51.180	43.170	43.373	1.676	32.530	3.864	40.200
313	15.650	51.345	59.230	59.352	1.853	19.490	3.122	43.900
314	15.700	51.509	73.850	73.981	1.930	20.950	2.609	41.700
315	15.750	51.673	91.540	91.677	2.492	22.020	2.718	33.400
316	15.800	51.837	97.180	97.324	2.955	23.140	3.036	33.100
317	15.850	52.001	86.800	86.949	3.152	23.930	3.625	37.300
318	15.900	52.165	80.600	80.761	3.203	25.790	3.966	41.400
319	15.950	52.329	81.120	81.301	3.010	28.980	3.702	53.500
320	16.000	52.493	81.110	81.310	2.731	32.080	3.359	66.800
321	16.050	52.657	62.780	62.973	2.494	30.920	3.960	78.600
322	16.100	52.821	50.250	50.481	2.019	36.990	4.000	79.600
323	16.150	52.985	47.890	48.122	1.958	37.210	4.069	82.100
324	16.200	53.149	46.640	46.875	1.774	37.700	3.785	92.900
325	16.250	53.313	48.280	48.512	1.170	37.090	2.412	75.800
326	16.300	53.477	49.340	49.529	1.212	30.320	2.447	73.100
327	16.350	53.641	44.320	44.478	0.805	25.370	1.810	59.300
328	16.400	53.805	24.420	24.572	0.948	24.350	3.858	51.700
329	16.450	53.969	21.940	22.090	0.932	24.010	4.219	44.800
330	16.500	54.133	31.530	31.679	1.325	23.820	4.183	35.600
331	16.550	54.297	28.070	28.216	0.841	23.370	2.981	32.900
332	16.600	54.461	64.690	64.814	1.008	19.910	1.555	22.300
333	16.650	54.625	52.410	52.555	1.071	23.290	2.038	24.300
334	16.700	54.789	40.330	40.471	1.059	22.640	2.617	26.600
335	16.750	54.953	42.260	42.399	1.240	22.320	2.925	18.200
336	16.800	55.117	52.120	52.258	1.138	22.180	2.178	21.100
337	16.850	55.281	31.700	31.841	1.443	22.620	4.532	22.100
338	16.900	55.446	43.310	43.459	1.345	23.910	3.095	17.600
339	16.950	55.610	29.630	29.779	1.173	23.790	3.939	26.200
340	17.000	55.774	19.170	19.302	1.177	21.130	6.098	30.600
341	17.050	55.938	37.730	37.882	1.303	24.410	3.440	43.600
342	17.100	56.102	62.330	62.498	1.689	26.950	2.702	53.200
343	17.150	56.266	36.020	36.168	1.658	23.750	4.584	68.200
344	17.200	56.430	16.450	16.616	0.944	26.650	5.681	73.800
345	17.250	56.594	21.960	22.142	0.576	29.120	2.601	86.400
346	17.300	56.758	25.610	25.821	0.627	33.750	2.428	80.100
347	17.350	56.922	27.240	27.460	0.708	35.250	2.578	86.900
348	17.400	57.086	26.700	26.932	0.810	37.230	3.008	83.400
349	17.450	57.250	24.240	24.473	0.833	37.310	3.404	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
350	17.500	57.414	28.240	28.478	0.860	38.130	3.020	0.000
351	17.550	57.578	38.680	38.907	0.977	36.420	2.511	0.000
352	17.600	57.742	62.760	62.975	0.807	34.410	1.281	0.000
353	17.650	57.906	78.720	78.863	0.713	22.980	0.904	0.000
354	17.700	58.070	62.780	62.919	0.887	22.340	1.410	0.000
355	17.750	58.234	65.200	65.340	2.488	22.450	3.808	0.000
356	17.800	58.398	126.610	126.753	2.793	22.980	2.203	0.000
357	17.850	58.562	82.290	82.447	2.773	25.200	3.363	0.000
358	17.900	58.726	99.780	99.965	3.515	29.630	3.516	0.000
359	17.950	58.890	115.710	115.908	3.441	31.750	2.969	0.000
360	18.000	59.054	91.570	91.750	3.325	28.800	3.624	0.000
361	18.050	59.218	65.460	65.642	2.639	29.160	4.020	0.000
362	18.100	59.382	100.630	100.808	2.120	28.440	2.103	0.000
363	18.150	59.547	108.500	108.669	0.000	27.070	0.000	0.000
364	18.200	59.711	206.910	207.077	0.000	26.710	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221614
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-13-7
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-22-2013
CPT Time:	08:12
CPT File:	13-53075_GP13-7.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722292.296
Northing / Lat:	4294306.278
Elevation:	144.437
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	17.290	17.293	0.001	0.540	0.006	38.400
2	0.100	0.328	19.380	19.381	0.001	0.170	0.005	43.900
3	0.150	0.492	20.780	20.782	0.002	0.300	0.010	53.800
4	0.200	0.656	31.980	31.980	0.001	-0.030	0.003	63.800
5	0.250	0.820	45.010	45.022	0.002	1.900	0.004	74.600
6	0.300	0.984	28.320	28.321	0.213	0.240	0.752	81.500
7	0.350	1.148	17.680	17.681	0.378	0.150	2.138	84.200
8	0.400	1.312	18.580	18.580	0.605	-0.070	3.256	89.900
9	0.450	1.476	18.250	18.251	0.621	0.170	3.403	89.000
10	0.500	1.640	138.270	138.272	0.496	0.340	0.359	99.400
11	0.550	1.804	166.250	166.250	1.032	-0.060	0.621	85.800
12	0.600	1.968	98.750	98.751	1.503	0.130	1.522	87.300
13	0.650	2.133	104.700	104.701	2.342	0.230	2.237	81.000
14	0.700	2.297	235.520	235.521	3.568	0.100	1.515	74.000
15	0.750	2.461	299.120	299.117	3.849	-0.530	1.287	70.000
16	0.800	2.625	319.540	319.553	2.521	2.010	0.789	69.000
17	0.850	2.789	281.540	281.562	4.094	3.520	1.454	66.600
18	0.900	2.953	240.620	240.615	4.084	-0.730	1.697	62.000
19	0.950	3.117	176.620	176.636	3.964	2.590	2.244	77.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	127.520	127.531	3.177	1.790	2.491	73.000
21	1.050	3.445	93.260	93.292	2.846	5.140	3.051	79.900
22	1.100	3.609	77.940	77.944	2.851	0.720	3.658	79.400
23	1.150	3.773	69.960	69.994	2.393	5.470	3.419	79.700
24	1.200	3.937	63.360	63.398	2.048	6.070	3.230	85.400
25	1.250	4.101	51.300	51.349	1.638	7.920	3.190	83.200
26	1.300	4.265	47.170	47.200	1.493	4.730	3.163	85.000
27	1.350	4.429	37.890	37.911	1.060	3.340	2.796	76.400
28	1.400	4.593	29.630	29.645	0.889	2.380	2.999	80.000
29	1.450	4.757	30.290	30.286	0.656	-0.570	2.166	82.800
30	1.500	4.921	17.760	17.759	0.518	-0.090	2.917	86.000
31	1.550	5.085	17.430	17.466	0.428	5.780	2.450	83.200
32	1.600	5.249	11.130	11.125	0.332	-0.860	2.984	80.900
33	1.650	5.413	10.110	10.102	0.273	-1.320	2.702	88.700
34	1.700	5.577	9.300	9.292	0.230	-1.210	2.475	83.600
35	1.750	5.741	10.910	10.903	0.232	-1.170	2.128	95.400
36	1.800	5.905	10.140	10.127	0.233	-2.040	2.301	92.400
37	1.850	6.069	6.060	6.051	0.224	-1.380	3.702	95.800
38	1.900	6.234	6.220	6.215	0.185	-0.800	2.977	90.300
39	1.950	6.398	17.520	17.500	0.139	-3.190	0.794	82.800
40	2.000	6.562	18.850	18.829	0.358	-3.380	1.901	78.900
41	2.050	6.726	15.390	15.365	0.429	-3.930	2.792	84.300
42	2.100	6.890	4.750	4.745	0.342	-0.880	7.208	80.900
43	2.150	7.054	48.380	48.391	0.537	1.840	1.110	80.800
44	2.200	7.218	41.190	41.176	0.920	-2.260	2.234	76.400
45	2.250	7.382	7.240	7.227	0.847	-2.030	11.719	72.000
46	2.300	7.546	10.710	10.716	0.390	0.900	3.640	70.000
47	2.350	7.710	5.650	5.649	0.523	-0.130	9.258	75.300
48	2.400	7.874	4.920	4.936	0.272	2.550	5.511	74.300
49	2.450	8.038	47.470	47.503	0.502	5.360	1.057	70.800
50	2.500	8.202	52.340	52.342	0.411	0.350	0.785	70.700
51	2.550	8.366	34.040	34.038	0.531	-0.350	1.560	73.300
52	2.600	8.530	26.790	26.795	0.673	0.770	2.512	76.400
53	2.650	8.694	7.150	7.160	0.633	1.670	8.840	76.400
54	2.700	8.858	7.890	7.919	0.660	4.570	8.335	98.800
55	2.750	9.022	7.330	7.372	0.658	6.660	8.926	77.700
56	2.800	9.186	7.430	7.470	0.682	6.390	9.130	73.200
57	2.850	9.350	8.900	8.948	0.718	7.730	8.024	66.400
58	2.900	9.514	30.160	30.224	1.540	10.260	5.095	59.100
59	2.950	9.678	65.010	65.016	1.498	1.010	2.304	51.900
60	3.000	9.842	100.100	100.030	2.063	-11.160	2.062	48.300
61	3.050	10.006	87.990	87.895	2.329	-15.140	2.650	55.800
62	3.100	10.170	71.390	71.326	2.442	-10.230	3.424	53.600
63	3.150	10.335	91.790	91.759	3.230	-5.020	3.520	58.000
64	3.200	10.499	88.200	88.154	3.043	-7.340	3.452	62.200
65	3.250	10.663	49.660	49.631	2.349	-4.680	4.733	66.200
66	3.300	10.827	56.400	56.414	2.270	2.180	4.024	65.400
67	3.350	10.991	80.610	80.695	4.889	13.650	6.059	75.100
68	3.400	11.155	116.410	116.449	4.568	6.220	3.923	58.900
69	3.450	11.319	210.630	210.769	6.471	22.290	3.070	67.200
70	3.500	11.483	236.030	236.055	3.734	3.940	1.582	65.100
71	3.550	11.647	160.700	160.707	5.524	1.190	3.437	66.500
72	3.600	11.811	145.750	145.754	4.184	0.570	2.871	0.000
73	3.650	11.975	100.600	100.624	3.492	3.780	3.470	0.000
74	3.700	12.139	105.100	105.252	4.002	24.400	3.802	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	111.480	111.520	0.900	6.370	0.807	0.000
76	3.800	12.467	201.850	201.868	0.765	2.900	0.379	0.000
77	3.850	12.631	200.400	200.412	0.670	1.930	0.334	0.000
78	3.900	12.795	113.450	113.463	0.594	2.010	0.524	0.000
79	3.950	12.959	70.840	70.843	0.448	0.410	0.632	0.000
80	4.000	13.123	42.560	42.565	0.603	0.730	1.417	0.000
81	4.050	13.287	29.790	29.799	0.799	1.370	2.681	0.000
82	4.100	13.451	19.140	19.177	0.566	5.910	2.951	0.000
83	4.150	13.615	16.630	16.698	1.316	10.970	7.881	0.000
84	4.200	13.779	13.740	13.819	1.549	12.610	11.209	0.000
85	4.250	13.943	237.550	237.628	1.111	12.420	0.468	0.000
86	4.300	14.107	333.160	333.198	0.000	6.150	0.000	0.000
87	4.350	14.271	454.290	454.290	0.000	-0.020	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221616
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-13-7S
Cone ID:	410:T1500F15U500
Operator:	DC/YB
CPT Date:	Feb-06-2014
CPT Time:	16:08
CPT File:	13-53075_GP13-7S.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722291.895
Northing / Lat:	4294306.321
Elevation:	144.408
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	1.460	1.456	0.003	-0.570	0.206	24.800
2	0.100	0.328	1.400	1.401	0.002	0.170	0.143	30.500
3	0.150	0.492	1.000	1.007	0.001	1.180	0.099	36.300
4	0.200	0.656	1.980	1.992	0.003	1.920	0.151	44.100
5	0.250	0.820	3.340	3.349	0.008	1.500	0.239	41.500
6	0.300	0.984	4.080	4.087	0.007	1.110	0.171	59.300
7	0.350	1.148	5.220	5.225	0.002	0.850	0.038	63.300
8	0.400	1.312	5.420	5.424	0.001	0.630	0.018	61.200
9	0.450	1.476	5.130	5.129	0.002	-0.200	0.039	67.800
10	0.500	1.640	4.560	4.565	0.003	0.760	0.066	71.300
11	0.550	1.804	5.670	5.673	0.003	0.490	0.053	62.400
12	0.600	1.968	7.590	7.592	0.002	0.380	0.026	65.500
13	0.650	2.133	11.200	11.206	0.002	0.900	0.018	67.100
14	0.700	2.297	19.710	19.722	0.032	1.870	0.162	62.800
15	0.750	2.461	26.580	26.593	0.049	2.080	0.184	72.900
16	0.800	2.625	23.730	23.734	0.063	0.720	0.265	64.200
17	0.850	2.789	27.810	27.815	0.049	0.730	0.176	64.100
18	0.900	2.953	36.630	36.638	0.038	1.220	0.104	48.900
19	0.950	3.117	46.450	46.460	0.039	1.550	0.084	56.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	55.340	55.350	0.043	1.670	0.078	48.900
21	1.050	3.445	65.410	65.422	0.090	1.850	0.138	51.800
22	1.100	3.609	73.680	73.690	0.161	1.640	0.218	65.700
23	1.150	3.773	82.660	82.671	0.246	1.780	0.298	60.900
24	1.200	3.937	93.480	93.496	0.294	2.520	0.314	57.800
25	1.250	4.101	82.450	82.457	0.270	1.160	0.327	60.200
26	1.300	4.265	56.060	56.056	0.235	-0.570	0.419	79.700
27	1.350	4.429	41.370	41.363	0.182	-1.150	0.440	65.900
28	1.400	4.593	34.080	34.073	0.129	-1.050	0.379	75.400
29	1.450	4.757	28.060	28.052	0.091	-1.310	0.324	76.300
30	1.500	4.921	24.900	24.924	0.069	3.780	0.277	78.200
31	1.550	5.085	21.810	21.817	0.061	1.080	0.280	69.700
32	1.600	5.249	17.510	17.509	0.049	-0.230	0.280	79.200
33	1.650	5.413	14.500	14.496	0.039	-0.710	0.269	75.900
34	1.700	5.577	12.280	12.276	0.037	-0.690	0.301	64.000
35	1.750	5.741	10.670	10.666	0.033	-0.570	0.309	74.300
36	1.800	5.905	9.890	9.888	0.019	-0.340	0.192	82.000
37	1.850	6.069	9.430	9.427	0.017	-0.440	0.180	83.200
38	1.900	6.234	9.030	9.028	0.019	-0.300	0.210	77.600
39	1.950	6.398	8.960	8.959	0.020	-0.200	0.223	87.800
40	2.000	6.562	8.190	8.187	0.022	-0.490	0.269	82.800
41	2.050	6.726	7.690	7.688	0.020	-0.340	0.260	84.200
42	2.100	6.890	7.050	7.047	0.008	-0.490	0.114	67.900
43	2.150	7.054	5.980	5.977	0.005	-0.410	0.084	65.600
44	2.200	7.218	3.720	3.713	0.003	-1.150	0.081	61.600
45	2.250	7.382	1.900	1.892	0.006	-1.350	0.317	60.000
46	2.300	7.546	1.190	1.182	0.006	-1.340	0.508	57.900
47	2.350	7.710	1.260	1.257	0.001	-0.550	0.080	59.900
48	2.400	7.874	1.280	1.279	0.005	-0.200	0.391	49.800
49	2.450	8.038	1.700	1.697	0.008	-0.560	0.472	51.300
50	2.500	8.202	1.200	1.200	0.005	-0.080	0.417	57.000
51	2.550	8.366	1.580	1.589	0.010	1.450	0.629	48.100
52	2.600	8.530	1.880	1.887	0.002	1.160	0.106	61.900
53	2.650	8.694	1.880	1.890	0.004	1.680	0.212	56.100
54	2.700	8.858	1.480	1.490	0.005	1.630	0.336	60.400
55	2.750	9.022	1.200	1.212	0.011	1.970	0.907	51.500
56	2.800	9.186	1.060	1.075	0.003	2.430	0.279	47.700
57	2.850	9.350	2.990	3.017	0.002	4.270	0.066	45.600
58	2.900	9.514	6.610	6.661	0.002	8.150	0.030	43.800
59	2.950	9.678	9.860	9.882	0.002	3.470	0.020	42.600
60	3.000	9.842	10.870	10.892	0.005	3.540	0.046	53.900
61	3.050	10.006	9.770	9.791	0.002	3.410	0.020	42.900
62	3.100	10.170	6.350	6.365	0.003	2.390	0.047	47.200
63	3.150	10.335	4.450	4.464	0.007	2.310	0.157	44.900
64	3.200	10.499	2.820	2.833	0.007	2.050	0.247	40.100
65	3.250	10.663	1.810	1.826	0.008	2.600	0.438	35.200
66	3.300	10.827	1.480	1.501	0.006	3.290	0.400	36.100
67	3.350	10.991	1.310	1.335	0.008	3.930	0.599	26.700
68	3.400	11.155	1.330	1.352	0.006	3.560	0.444	21.800
69	3.450	11.319	1.450	1.477	0.005	4.330	0.339	25.900
70	3.500	11.483	1.720	1.749	0.015	4.580	0.858	26.200
71	3.550	11.647	1.500	1.528	0.004	4.470	0.262	32.300
72	3.600	11.811	1.300	1.334	0.002	5.390	0.150	36.100
73	3.650	11.975	4.000	4.031	0.003	4.920	0.074	33.100
74	3.700	12.139	5.590	5.630	0.002	6.410	0.036	36.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	8.960	9.006	0.001	7.410	0.011	28.800
76	3.800	12.467	10.690	10.730	0.004	6.390	0.037	33.500
77	3.850	12.631	10.520	10.556	0.005	5.740	0.047	35.400
78	3.900	12.795	8.820	8.855	0.003	5.680	0.034	45.200
79	3.950	12.959	6.550	6.599	0.003	7.850	0.045	36.400
80	4.000	13.123	4.340	4.380	0.002	6.430	0.046	49.200
81	4.050	13.287	2.900	2.942	0.005	6.720	0.170	54.200
82	4.100	13.451	3.040	3.083	0.001	6.860	0.032	53.900
83	4.150	13.615	5.310	5.366	0.009	8.920	0.168	57.900
84	4.200	13.779	8.290	8.324	0.196	5.450	2.355	55.100
85	4.250	13.943	2.780	2.821	0.026	6.630	0.922	51.100
86	4.300	14.107	1.460	1.520	0.071	9.610	4.671	45.200
87	4.350	14.271	2.900	2.979	0.038	12.690	1.276	48.100
88	4.400	14.436	9.330	9.407	0.081	12.390	0.861	52.800
89	4.450	14.600	8.840	8.928	0.058	14.170	0.650	49.600
90	4.500	14.764	5.100	5.159	0.041	9.530	0.795	45.000
91	4.550	14.928	2.650	2.699	0.049	7.920	1.815	44.600
92	4.600	15.092	3.270	3.320	0.032	8.010	0.964	40.600
93	4.650	15.256	3.770	3.821	0.031	8.210	0.811	43.600
94	4.700	15.420	5.390	5.459	0.048	11.090	0.879	47.400
95	4.750	15.584	6.140	6.203	0.072	10.050	1.161	48.500
96	4.800	15.748	7.180	7.237	0.211	9.110	2.916	35.800
97	4.850	15.912	13.070	13.143	0.386	11.770	2.937	38.700
98	4.900	16.076	38.830	38.916	0.776	13.850	1.994	46.300
99	4.950	16.240	66.640	66.659	1.094	2.980	1.641	40.900
100	5.000	16.404	49.450	49.553	1.334	16.500	2.692	53.300
101	5.050	16.568	49.080	49.189	1.137	17.510	2.311	55.400
102	5.100	16.732	19.600	19.650	0.622	8.060	3.165	56.800
103	5.150	16.896	7.510	7.789	0.547	44.630	7.023	66.300
104	5.200	17.060	13.190	13.337	0.909	23.480	6.816	66.800
105	5.250	17.224	47.550	47.651	1.176	16.200	2.468	81.400
106	5.300	17.388	60.450	60.459	1.383	1.430	2.288	74.100
107	5.350	17.552	47.360	47.342	0.920	-2.940	1.943	83.600
108	5.400	17.716	17.560	17.658	0.777	15.630	4.400	86.900
109	5.450	17.880	17.580	18.063	0.361	77.360	1.999	86.100
110	5.500	18.044	20.820	20.954	0.419	21.450	2.000	70.200
111	5.550	18.208	12.830	12.894	0.403	10.190	3.126	68.500
112	5.600	18.372	11.150	11.178	0.339	4.410	3.033	66.700
113	5.650	18.537	34.340	34.404	0.294	10.200	0.855	43.700
114	5.700	18.701	28.650	28.700	0.797	8.000	2.777	51.200
115	5.750	18.865	81.310	81.449	0.544	22.310	0.668	54.900
116	5.800	19.029	72.100	72.170	0.339	11.140	0.470	46.400
117	5.850	19.193	38.720	38.804	0.267	13.500	0.688	71.000
118	5.900	19.357	22.210	22.386	0.233	28.240	1.041	83.300
119	5.950	19.521	21.570	21.746	0.253	28.270	1.163	82.500
120	6.000	19.685	24.320	24.632	0.270	49.910	1.096	79.200
121	6.050	19.849	25.740	25.948	0.402	33.260	1.549	85.600
122	6.100	20.013	24.480	24.569	0.435	14.320	1.770	96.200
123	6.150	20.177	28.000	28.079	0.540	12.640	1.923	92.100
124	6.200	20.341	27.020	27.063	0.573	6.880	2.117	95.900
125	6.250	20.505	24.960	24.996	0.607	5.840	2.428	70.700
126	6.300	20.669	24.300	24.340	0.470	6.350	1.931	84.700
127	6.350	20.833	22.500	22.542	0.436	6.730	1.934	106.100
128	6.400	20.997	22.470	22.524	0.404	8.570	1.794	88.800
129	6.450	21.161	24.170	24.289	0.468	19.090	1.927	80.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	30.210	30.378	0.479	26.930	1.577	73.700
131	6.550	21.489	30.100	30.290	0.481	30.500	1.588	72.500
132	6.600	21.653	25.500	25.612	0.532	17.870	2.077	61.700
133	6.650	21.817	36.240	36.475	0.544	37.660	1.491	62.300
134	6.700	21.981	40.180	40.300	0.314	19.300	0.779	35.200
135	6.750	22.145	60.980	61.028	0.569	7.680	0.932	39.500
136	6.800	22.309	57.200	57.288	0.679	14.040	1.185	32.400
137	6.850	22.473	44.860	45.107	0.981	39.490	2.175	34.200
138	6.900	22.638	41.260	41.500	0.803	38.510	1.935	29.300
139	6.950	22.802	47.720	47.988	0.743	42.990	1.548	38.400
140	7.000	22.966	63.270	63.368	0.873	15.630	1.378	36.800
141	7.050	23.130	63.330	63.424	0.893	15.120	1.408	44.500
142	7.100	23.294	43.570	43.700	0.789	20.890	1.805	47.700
143	7.150	23.458	39.600	39.696	0.523	15.370	1.318	52.700
144	7.200	23.622	31.610	31.727	0.318	18.820	1.002	59.300
145	7.250	23.786	28.590	28.710	0.206	19.150	0.718	66.100
146	7.300	23.950	32.660	32.850	0.241	30.370	0.734	76.600
147	7.350	24.114	38.820	38.910	0.217	14.470	0.558	76.100
148	7.400	24.278	33.140	33.173	0.293	5.300	0.883	54.700
149	7.450	24.442	39.940	39.961	0.329	3.380	0.823	36.200
150	7.500	24.606	39.140	39.166	0.486	4.190	1.241	29.100
151	7.550	24.770	36.780	36.848	0.443	10.900	1.202	28.200
152	7.600	24.934	46.530	46.625	0.428	15.170	0.918	15.500
153	7.650	25.098	54.720	54.811	0.612	14.520	1.117	15.900
154	7.700	25.262	50.910	51.000	0.738	14.400	1.447	21.000
155	7.750	25.426	44.130	44.257	0.883	20.300	1.995	17.300
156	7.800	25.590	37.740	37.854	0.988	18.240	2.610	29.600
157	7.850	25.754	26.520	26.613	0.819	14.950	3.077	39.700
158	7.900	25.918	21.070	21.184	0.544	18.210	2.568	42.600
159	7.950	26.082	27.550	27.674	0.526	19.870	1.901	50.100
160	8.000	26.246	34.240	34.422	0.575	29.210	1.670	50.000
161	8.050	26.410	21.320	21.512	0.747	30.800	3.472	37.400
162	8.100	26.574	38.410	38.640	0.939	36.790	2.430	34.900
163	8.150	26.739	75.670	75.866	1.589	31.390	2.094	26.600
164	8.200	26.903	74.750	74.841	1.973	14.520	2.636	24.400
165	8.250	27.067	46.790	46.873	2.075	13.340	4.427	23.300
166	8.300	27.231	45.050	45.352	1.577	48.360	3.477	22.800
167	8.350	27.395	68.160	68.282	1.571	19.490	2.301	18.600
168	8.400	27.559	51.460	51.575	1.651	18.500	3.201	27.000
169	8.450	27.723	39.630	39.744	1.475	18.290	3.711	24.400
170	8.500	27.887	54.220	54.252	1.271	5.100	2.343	25.700
171	8.550	28.051	78.550	78.723	1.135	27.720	1.442	34.800
172	8.600	28.215	57.260	57.366	1.246	16.970	2.172	38.000
173	8.650	28.379	43.730	43.819	1.180	14.180	2.693	27.800
174	8.700	28.543	32.540	32.627	0.690	13.900	2.115	34.300
175	8.750	28.707	34.020	34.114	0.292	15.070	0.856	40.000
176	8.800	28.871	79.800	79.916	0.978	18.610	1.224	31.600
177	8.850	29.035	89.270	89.365	1.144	15.170	1.280	41.400
178	8.900	29.199	63.400	63.476	1.541	12.110	2.428	55.200
179	8.950	29.363	44.520	44.607	1.228	13.900	2.753	65.900
180	9.000	29.527	23.950	24.193	1.315	38.900	5.435	71.100
181	9.050	29.691	66.250	66.701	1.238	72.270	1.856	82.400
182	9.100	29.855	79.180	79.317	1.728	21.980	2.179	76.300
183	9.150	30.019	100.290	100.335	2.039	7.170	2.032	77.100
184	9.200	30.183	144.010	144.042	1.902	5.110	1.320	71.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	174.580	174.606	2.249	4.090	1.288	78.000
186	9.300	30.511	195.540	195.563	2.378	3.720	1.216	67.800
187	9.350	30.675	202.980	203.004	2.675	3.830	1.318	67.300
188	9.400	30.840	182.710	182.732	2.265	3.460	1.240	75.800
189	9.450	31.004	160.710	160.729	2.927	3.050	1.821	62.000
190	9.500	31.168	152.910	152.930	2.240	3.150	1.465	48.900
191	9.550	31.332	193.350	193.391	2.053	6.490	1.062	34.700
192	9.600	31.496	191.460	191.552	2.266	14.790	1.183	33.100
193	9.650	31.660	137.060	137.197	2.698	21.870	1.967	33.600
194	9.700	31.824	122.630	122.762	2.156	21.200	1.756	51.700
195	9.750	31.988	87.570	87.748	1.855	28.540	2.114	55.700
196	9.800	32.152	41.800	41.918	1.453	18.960	3.466	74.900
197	9.850	32.316	33.450	33.687	0.709	37.990	2.105	82.600
198	9.900	32.480	29.730	29.922	0.615	30.770	2.055	81.000
199	9.950	32.644	26.950	27.048	0.656	15.700	2.425	96.600
200	10.000	32.808	23.920	23.993	0.693	11.680	2.888	75.800
201	10.050	32.972	21.090	21.145	0.569	8.770	2.691	81.600
202	10.100	33.136	34.030	34.089	0.738	9.440	2.165	83.200
203	10.150	33.300	47.230	47.310	0.789	12.860	1.668	89.000
204	10.200	33.464	50.920	51.104	0.955	29.540	1.869	89.600
205	10.250	33.628	51.630	51.764	1.269	21.530	2.451	101.700
206	10.300	33.792	56.570	56.682	1.437	17.940	2.535	101.600
207	10.350	33.956	57.780	57.881	1.465	16.160	2.531	85.100
208	10.400	34.120	45.770	45.853	1.530	13.230	3.337	87.000
209	10.450	34.284	38.570	38.617	1.185	7.540	3.069	90.900
210	10.500	34.448	31.220	31.258	0.767	6.020	2.454	88.500
211	10.550	34.612	35.510	35.606	0.681	15.450	1.913	81.500
212	10.600	34.776	39.240	39.378	0.726	22.160	1.844	77.300
213	10.650	34.941	34.940	35.049	0.856	17.480	2.442	68.500
214	10.700	35.105	43.070	43.134	1.008	10.290	2.337	74.000
215	10.750	35.269	40.740	40.893	0.915	24.480	2.238	85.800
216	10.800	35.433	25.390	25.473	0.770	13.260	3.023	84.100
217	10.850	35.597	24.730	24.832	0.597	16.350	2.404	98.300
218	10.900	35.761	35.490	35.628	0.925	22.060	2.596	95.600
219	10.950	35.925	53.460	53.555	1.543	15.150	2.881	84.300
220	11.000	36.089	65.080	65.158	1.889	12.550	2.899	82.800
221	11.050	36.253	79.860	79.934	2.091	11.890	2.616	83.500
222	11.100	36.417	76.550	76.610	1.635	9.630	2.134	79.600
223	11.150	36.581	30.270	30.377	1.464	17.180	4.819	89.400
224	11.200	36.745	57.340	57.459	1.261	19.090	2.195	74.600
225	11.250	36.909	56.570	56.687	1.375	18.690	2.426	66.000
226	11.300	37.073	53.660	53.755	1.906	15.190	3.546	57.900
227	11.350	37.237	81.190	81.288	1.607	15.770	1.977	63.300
228	11.400	37.401	48.130	48.236	1.730	17.000	3.587	83.300
229	11.450	37.565	39.780	39.870	1.105	14.440	2.771	82.400
230	11.500	37.729	23.210	23.312	0.837	16.400	3.590	82.300
231	11.550	37.893	27.210	27.354	0.709	23.090	2.592	84.000
232	11.600	38.057	30.230	30.350	0.782	19.250	2.577	90.300
233	11.650	38.221	32.180	32.300	0.829	19.160	2.567	82.000
234	11.700	38.385	30.890	30.997	0.862	17.060	2.781	89.500
235	11.750	38.549	27.970	28.071	0.850	16.140	3.028	90.500
236	11.800	38.713	27.270	27.362	0.879	14.720	3.212	89.900
237	11.850	38.877	31.250	31.344	0.729	15.040	2.326	77.700
238	11.900	39.042	39.390	39.487	0.918	15.510	2.325	79.000
239	11.950	39.206	37.430	37.625	1.017	31.230	2.703	89.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	40.350	40.565	1.114	34.450	2.746	72.500
241	12.050	39.534	36.090	36.261	1.324	27.350	3.651	71.500
242	12.100	39.698	34.990	35.156	1.174	26.670	3.339	72.300
243	12.150	39.862	67.230	67.404	1.498	27.880	2.222	52.100
244	12.200	40.026	52.810	52.955	1.507	23.290	2.846	39.700
245	12.250	40.190	29.490	29.650	1.421	25.670	4.793	35.100
246	12.300	40.354	20.970	21.135	0.885	26.510	4.187	30.000
247	12.350	40.518	41.930	42.077	0.965	23.580	2.293	32.800
248	12.400	40.682	44.720	44.847	0.896	20.270	1.998	19.800
249	12.450	40.846	57.590	57.707	1.505	18.780	2.608	24.900
250	12.500	41.010	64.060	64.225	1.738	26.480	2.706	19.500
251	12.550	41.174	85.320	85.491	2.497	27.340	2.921	18.800
252	12.600	41.338	103.140	103.481	3.215	54.580	3.107	23.600
253	12.650	41.502	116.030	116.360	3.237	52.930	2.782	12.900
254	12.700	41.666	104.560	104.659	2.230	15.860	2.131	17.400
255	12.750	41.830	141.030	141.235	2.250	32.780	1.593	14.500
256	12.800	41.994	86.460	86.618	2.331	25.280	2.691	17.900
257	12.850	42.158	95.480	95.601	2.733	19.340	2.859	29.000
258	12.900	42.322	112.060	112.236	2.820	28.120	2.513	17.200
259	12.950	42.486	87.250	87.606	2.608	57.060	2.977	27.000
260	13.000	42.650	49.080	49.232	1.937	24.310	3.934	23.600
261	13.050	42.814	37.540	37.690	1.455	23.990	3.860	29.100
262	13.100	42.978	35.430	35.583	0.824	24.550	2.316	37.400
263	13.150	43.143	21.030	21.181	0.700	24.190	3.305	39.700
264	13.200	43.307	23.050	23.189	1.022	22.340	4.407	43.600
265	13.250	43.471	72.730	72.911	1.309	29.060	1.795	52.700
266	13.300	43.635	76.460	76.673	1.282	34.130	1.672	66.700
267	13.350	43.799	35.980	36.154	1.220	27.900	3.374	83.300
268	13.400	43.963	25.240	25.604	0.982	58.380	3.835	81.300
269	13.450	44.127	34.390	34.971	0.656	93.010	1.876	86.900
270	13.500	44.291	57.440	57.677	0.706	37.970	1.224	97.300
271	13.550	44.455	64.190	64.334	1.119	23.090	1.739	87.800
272	13.600	44.619	51.320	51.435	1.200	18.500	2.333	90.000
273	13.650	44.783	33.350	33.409	1.150	9.470	3.442	103.700
274	13.700	44.947	29.540	29.619	0.661	12.690	2.232	82.000
275	13.750	45.111	27.790	27.883	0.605	14.960	2.170	92.400
276	13.800	45.275	24.880	24.982	0.645	16.390	2.582	81.700
277	13.850	45.439	24.990	25.086	0.507	15.450	2.021	84.600
278	13.900	45.603	24.670	24.761	0.511	14.600	2.064	95.000
279	13.950	45.767	24.410	24.458	0.528	7.610	2.159	91.500
280	14.000	45.931	19.370	19.473	0.545	16.550	2.799	74.300
281	14.050	46.095	18.990	19.083	0.536	14.850	2.809	87.000
282	14.100	46.259	33.660	33.768	0.861	17.360	2.550	71.300
283	14.150	46.423	50.310	50.428	1.057	18.920	2.096	88.200
284	14.200	46.587	66.870	66.946	1.435	12.150	2.144	85.300
285	14.250	46.751	67.940	68.055	1.514	18.410	2.225	85.300
286	14.300	46.915	60.940	61.106	1.486	26.520	2.432	0.000
287	14.350	47.079	60.700	60.869	1.222	27.070	2.008	0.000
288	14.400	47.244	62.510	62.658	1.271	23.740	2.028	0.000
289	14.450	47.408	54.870	54.999	1.270	20.740	2.309	0.000
290	14.500	47.572	41.710	41.852	1.404	22.720	3.355	0.000
291	14.550	47.736	39.050	39.216	1.425	26.540	3.634	0.000
292	14.600	47.900	39.780	39.897	1.352	18.740	3.389	0.000
293	14.650	48.064	40.120	40.293	1.515	27.640	3.760	0.000
294	14.700	48.228	47.540	47.706	1.609	26.650	3.373	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	36.430	36.626	1.580	31.380	4.314	0.000
296	14.800	48.556	62.080	62.333	1.629	40.520	2.613	0.000
297	14.850	48.720	61.040	61.263	1.850	35.650	3.020	0.000
298	14.900	48.884	71.510	71.754	2.567	39.040	3.578	0.000
299	14.950	49.048	74.600	74.836	3.792	37.840	5.067	0.000
300	15.000	49.212	121.110	121.382	0.000	43.630	0.000	0.000
301	15.050	49.376	419.040	419.298	0.000	41.370	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221618
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-14-1
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-22-2013
CPT Time:	08:51
CPT File:	13-53075_GP14-1.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722263.435
Northing / Lat:	4294385.261
Elevation:	144.407
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	30.430	30.460	0.000	4.730	0.000	36.300
2	0.100	0.328	43.230	43.251	0.108	3.430	0.250	45.400
3	0.150	0.492	63.260	63.279	0.161	2.970	0.254	57.800
4	0.200	0.656	41.760	41.793	0.322	5.220	0.770	65.600
5	0.250	0.820	25.410	25.442	0.430	5.070	1.690	56.800
6	0.300	0.984	29.870	29.899	0.973	4.620	3.254	65.200
7	0.350	1.148	45.540	45.575	1.118	5.620	2.453	57.400
8	0.400	1.312	158.530	158.548	1.118	2.890	0.705	56.200
9	0.450	1.476	247.030	247.054	1.312	3.770	0.531	64.500
10	0.500	1.640	356.220	356.240	1.788	3.200	0.502	48.800
11	0.550	1.804	387.370	387.387	2.736	2.660	0.706	51.000
12	0.600	1.968	385.170	385.191	4.972	3.440	1.291	50.200
13	0.650	2.133	322.700	322.729	4.561	4.620	1.413	52.500
14	0.700	2.297	236.640	236.669	2.926	4.720	1.236	47.600
15	0.750	2.461	174.960	174.982	3.210	3.500	1.834	52.800
16	0.800	2.625	118.380	118.391	3.035	1.700	2.564	59.800
17	0.850	2.789	96.440	96.447	3.073	1.060	3.186	56.000
18	0.900	2.953	82.800	82.885	2.423	13.680	2.923	55.500
19	0.950	3.117	60.590	60.793	1.680	32.490	2.763	53.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	125.040	125.264	1.956	35.940	1.561	52.700
21	1.050	3.445	100.090	100.167	0.727	12.350	0.726	50.700
22	1.100	3.609	61.870	61.911	1.371	6.540	2.214	46.500
23	1.150	3.773	83.070	83.116	1.005	7.330	1.209	51.400
24	1.200	3.937	15.520	15.530	0.893	1.650	5.750	52.500
25	1.250	4.101	36.030	36.043	1.197	2.030	3.321	49.500
26	1.300	4.265	46.330	46.347	1.749	2.730	3.774	51.500
27	1.350	4.429	127.260	127.305	1.994	7.280	1.566	51.200
28	1.400	4.593	83.340	83.371	1.443	5.000	1.731	49.800
29	1.450	4.757	84.650	84.698	2.208	7.690	2.607	45.700
30	1.500	4.921	217.890	217.978	2.591	14.090	1.189	48.200
31	1.550	5.085	149.620	149.708	2.429	14.150	1.622	47.100
32	1.600	5.249	169.740	169.962	2.368	35.530	1.393	43.900
33	1.650	5.413	187.200	187.325	7.395	20.060	3.948	44.900
34	1.700	5.577	135.350	135.434	5.164	13.530	3.813	46.200
35	1.750	5.741	362.180	362.262	1.640	13.180	0.453	52.300
36	1.800	5.905	362.250	362.327	4.629	12.330	1.278	47.400
37	1.850	6.069	420.410	420.441	3.254	4.990	0.774	43.900
38	1.900	6.234	337.460	337.481	4.304	3.310	1.275	40.200
39	1.950	6.398	85.700	85.734	4.130	5.410	4.817	45.300
40	2.000	6.562	173.110	173.125	1.006	2.390	0.581	44.400
41	2.050	6.726	205.650	205.700	0.294	7.930	0.143	45.600
42	2.100	6.890	173.560	173.590	0.657	4.760	0.378	44.400
43	2.150	7.054	166.980	166.999	2.664	3.000	1.595	43.100
44	2.200	7.218	148.990	148.993	1.949	0.480	1.308	38.500
45	2.250	7.382	190.240	190.285	2.066	7.200	1.086	42.300
46	2.300	7.546	232.740	232.765	2.495	4.070	1.072	40.800
47	2.350	7.710	112.360	112.369	3.071	1.380	2.733	42.300
48	2.400	7.874	106.690	106.704	3.426	2.230	3.211	44.500
49	2.450	8.038	145.550	145.572	0.854	3.520	0.587	46.200
50	2.500	8.202	153.670	153.711	0.938	6.570	0.610	48.000
51	2.550	8.366	101.630	101.635	1.064	0.860	1.047	51.000
52	2.600	8.530	55.920	55.960	1.051	6.340	1.878	62.300
53	2.650	8.694	26.580	26.592	0.916	1.940	3.445	72.100
54	2.700	8.858	22.120	22.130	0.254	1.590	1.148	72.400
55	2.750	9.022	14.290	14.297	0.251	1.110	1.756	82.200
56	2.800	9.186	10.690	10.697	0.307	1.170	2.870	86.500
57	2.850	9.350	12.990	13.002	0.342	1.860	2.630	86.400
58	2.900	9.514	16.940	16.985	0.360	7.150	2.120	87.300
59	2.950	9.678	15.940	15.970	0.383	4.820	2.398	86.600
60	3.000	9.842	20.520	20.575	0.477	8.790	2.318	85.800
61	3.050	10.006	21.620	21.665	0.435	7.140	2.008	97.500
62	3.100	10.170	15.060	15.113	0.453	8.560	2.997	87.900
63	3.150	10.335	14.180	14.277	0.422	15.580	2.956	94.400
64	3.200	10.499	20.880	21.017	0.598	22.020	2.845	91.700
65	3.250	10.663	28.380	28.539	0.828	25.430	2.901	91.800
66	3.300	10.827	28.450	28.523	0.858	11.730	3.008	95.600
67	3.350	10.991	41.950	42.014	1.135	10.310	2.701	85.200
68	3.400	11.155	33.550	33.578	1.126	4.440	3.353	87.000
69	3.450	11.319	39.170	39.216	1.208	7.380	3.080	84.600
70	3.500	11.483	35.460	35.489	1.081	4.710	3.046	78.200
71	3.550	11.647	21.480	21.480	0.905	-0.070	4.213	77.000
72	3.600	11.811	11.600	11.566	0.624	-5.410	5.395	55.900
73	3.650	11.975	50.850	50.811	0.863	-6.200	1.698	55.100
74	3.700	12.139	44.030	43.977	0.478	-8.480	1.087	46.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	14.140	14.088	1.052	-8.380	7.468	45.100
76	3.800	12.467	40.950	40.922	0.869	-4.450	2.124	43.400
77	3.850	12.631	47.800	47.773	0.713	-4.250	1.492	39.300
78	3.900	12.795	51.760	51.761	0.846	0.190	1.634	52.200
79	3.950	12.959	35.860	35.862	0.708	0.370	1.974	56.800
80	4.000	13.123	27.710	27.720	0.743	1.640	2.680	68.400
81	4.050	13.287	50.640	50.663	0.862	3.700	1.701	84.200
82	4.100	13.451	41.560	41.609	0.710	7.860	1.706	94.100
83	4.150	13.615	19.140	19.190	0.764	7.930	3.981	85.800
84	4.200	13.779	34.750	34.788	0.564	6.100	1.621	99.900
85	4.250	13.943	20.260	20.288	0.338	4.410	1.666	102.000
86	4.300	14.107	9.290	9.339	0.291	7.880	3.116	94.600
87	4.350	14.271	9.400	9.465	0.266	10.460	2.810	98.200
88	4.400	14.436	9.010	9.077	0.327	10.780	3.602	94.400
89	4.450	14.600	8.850	8.916	0.349	10.610	3.914	93.900
90	4.500	14.764	9.480	9.528	0.411	7.730	4.313	93.200
91	4.550	14.928	9.270	9.328	0.455	9.220	4.878	98.800
92	4.600	15.092	13.070	13.116	0.558	7.350	4.254	95.000
93	4.650	15.256	16.540	16.476	0.481	-10.230	2.919	91.800
94	4.700	15.420	14.970	14.956	0.467	-2.300	3.123	84.100
95	4.750	15.584	22.540	22.580	0.588	6.350	2.604	95.000
96	4.800	15.748	23.700	23.777	0.761	12.390	3.201	72.800
97	4.850	15.912	23.480	23.585	0.880	16.780	3.731	65.900
98	4.900	16.076	24.620	24.740	0.928	19.200	3.751	63.000
99	4.950	16.240	23.420	23.548	0.911	20.430	3.869	51.400
100	5.000	16.404	22.090	22.212	0.876	19.510	3.944	38.700
101	5.050	16.568	22.830	22.954	0.871	19.930	3.794	32.000
102	5.100	16.732	20.800	20.913	0.784	18.160	3.749	24.900
103	5.150	16.896	23.350	23.434	1.197	13.470	5.108	20.500
104	5.200	17.060	23.700	23.762	0.846	9.950	3.560	28.900
105	5.250	17.224	34.400	34.456	1.042	8.990	3.024	29.700
106	5.300	17.388	59.490	59.524	1.144	5.440	1.922	35.700
107	5.350	17.552	52.210	52.266	1.725	8.920	3.300	35.800
108	5.400	17.716	36.650	36.701	1.278	8.130	3.482	49.600
109	5.450	17.880	34.440	34.466	1.043	4.210	3.026	69.500
110	5.500	18.044	30.100	30.113	0.476	2.140	1.581	112.400
111	5.550	18.208	29.690	29.731	0.729	6.530	2.452	161.900
112	5.600	18.372	52.840	52.863	1.005	3.760	1.901	265.100
113	5.650	18.537	47.970	48.012	1.417	6.780	2.951	391.200
114	5.700	18.701	62.530	62.584	1.503	8.610	2.402	484.100
115	5.750	18.865	34.870	34.935	1.280	10.350	3.664	494.000
116	5.800	19.029	26.230	26.287	0.872	9.200	3.317	462.800
117	5.850	19.193	20.010	20.059	0.508	7.780	2.533	386.400
118	5.900	19.357	17.130	17.177	0.423	7.550	2.463	306.200
119	5.950	19.521	19.000	19.051	0.456	8.090	2.394	264.400
120	6.000	19.685	17.510	17.573	0.462	10.040	2.629	228.300
121	6.050	19.849	17.860	17.926	0.572	10.510	3.191	211.500
122	6.100	20.013	26.780	26.908	0.534	20.440	1.985	198.900
123	6.150	20.177	26.240	26.349	0.583	17.460	2.213	175.500
124	6.200	20.341	24.080	24.130	0.521	7.980	2.159	153.800
125	6.250	20.505	22.570	22.612	0.520	6.680	2.300	115.500
126	6.300	20.669	23.630	23.665	0.649	5.650	2.742	104.200
127	6.350	20.833	24.250	24.285	0.786	5.530	3.237	80.700
128	6.400	20.997	29.170	29.191	0.693	3.420	2.374	62.900
129	6.450	21.161	48.000	48.017	0.598	2.790	1.245	50.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	39.060	39.071	0.460	1.810	1.177	65.500
131	6.550	21.489	28.820	28.825	0.747	0.850	2.591	50.500
132	6.600	21.653	27.940	27.957	0.811	2.690	2.901	55.600
133	6.650	21.817	29.670	29.689	0.909	3.060	3.062	48.900
134	6.700	21.981	59.280	59.306	0.874	4.210	1.474	46.300
135	6.750	22.145	123.980	124.004	1.136	3.900	0.916	38.400
136	6.800	22.309	146.640	146.659	1.636	3.000	1.116	35.000
137	6.850	22.473	130.560	130.580	2.440	3.280	1.869	26.100
138	6.900	22.638	108.100	108.123	2.060	3.700	1.905	20.200
139	6.950	22.802	87.090	87.112	1.680	3.590	1.929	16.000
140	7.000	22.966	59.440	59.462	1.673	3.480	2.814	17.700
141	7.050	23.130	59.050	59.079	1.378	4.710	2.332	10.700
142	7.100	23.294	54.550	54.587	1.436	5.960	2.631	18.700
143	7.150	23.458	41.560	41.572	1.392	1.990	3.348	18.000
144	7.200	23.622	58.160	58.209	1.089	7.900	1.871	15.800
145	7.250	23.786	37.000	37.026	0.933	4.160	2.520	16.700
146	7.300	23.950	54.930	54.960	1.159	4.870	2.109	16.600
147	7.350	24.114	57.340	57.384	1.364	7.070	2.377	17.100
148	7.400	24.278	86.950	87.054	0.886	16.600	1.018	22.200
149	7.450	24.442	60.990	61.039	0.615	7.860	1.008	20.100
150	7.500	24.606	27.030	27.055	0.561	4.010	2.074	28.800
151	7.550	24.770	31.900	31.978	0.683	12.530	2.136	39.600
152	7.600	24.934	39.070	39.128	0.827	9.260	2.114	46.800
153	7.650	25.098	84.810	84.878	1.315	10.850	1.549	51.500
154	7.700	25.262	105.020	105.114	1.227	15.070	1.167	47.300
155	7.750	25.426	36.270	36.483	1.168	34.100	3.202	31.200
156	7.800	25.590	24.960	25.158	0.822	31.770	3.267	26.600
157	7.850	25.754	20.490	20.733	0.329	38.890	1.587	19.100
158	7.900	25.918	24.180	24.358	0.347	28.580	1.425	19.000
159	7.950	26.082	38.140	38.297	0.477	25.110	1.246	14.100
160	8.000	26.246	43.870	43.980	0.777	17.570	1.767	13.700
161	8.050	26.410	26.570	26.646	0.700	12.150	2.627	12.600
162	8.100	26.574	57.100	57.194	1.212	15.000	2.119	11.800
163	8.150	26.739	50.490	50.585	0.857	15.210	1.694	21.500
164	8.200	26.903	71.560	71.598	1.767	6.070	2.468	19.300
165	8.250	27.067	164.860	164.918	2.790	9.290	1.692	30.200
166	8.300	27.231	148.430	148.611	3.866	28.980	2.601	22.800
167	8.350	27.395	141.570	141.856	3.930	45.810	2.770	34.600
168	8.400	27.559	149.400	149.677	3.571	44.300	2.386	33.100
169	8.450	27.723	133.740	134.021	2.705	44.940	2.018	36.800
170	8.500	27.887	90.440	90.561	1.874	19.330	2.069	29.900
171	8.550	28.051	71.940	72.104	1.068	26.330	1.481	21.700
172	8.600	28.215	66.520	66.583	0.710	10.090	1.066	22.600
173	8.650	28.379	63.180	63.239	2.033	9.490	3.215	20.100
174	8.700	28.543	90.490	90.545	1.484	8.760	1.639	16.800
175	8.750	28.707	117.060	117.082	1.125	3.510	0.961	15.700
176	8.800	28.871	92.390	92.467	1.569	12.280	1.697	13.400
177	8.850	29.035	63.220	63.309	1.606	14.330	2.537	11.600
178	8.900	29.199	39.260	39.322	1.417	9.930	3.604	13.800
179	8.950	29.363	22.670	22.730	1.199	9.650	5.275	17.300
180	9.000	29.527	52.010	52.068	1.604	9.240	3.081	25.400
181	9.050	29.691	72.570	72.628	2.050	9.260	2.823	21.300
182	9.100	29.855	46.000	46.063	1.970	10.170	4.277	18.300
183	9.150	30.019	32.960	33.147	1.431	29.880	4.317	18.000
184	9.200	30.183	44.660	44.833	1.151	27.690	2.567	13.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	50.840	50.968	1.080	20.530	2.119	11.400
186	9.300	30.511	64.370	64.487	1.267	18.790	1.965	14.100
187	9.350	30.675	49.640	49.753	1.286	18.120	2.585	12.500
188	9.400	30.840	39.420	39.484	1.338	10.310	3.389	14.700
189	9.450	31.004	22.050	22.122	0.845	11.580	3.820	13.800
190	9.500	31.168	21.070	21.132	0.571	9.960	2.702	13.900
191	9.550	31.332	18.440	18.491	0.405	8.230	2.190	11.100
192	9.600	31.496	30.170	30.213	0.370	6.810	1.225	21.700
193	9.650	31.660	38.620	38.659	0.805	6.260	2.082	17.400
194	9.700	31.824	41.050	41.089	0.737	6.260	1.794	25.300
195	9.750	31.988	39.900	39.912	1.062	1.990	2.661	28.600
196	9.800	32.152	46.760	46.793	1.042	5.340	2.227	31.000
197	9.850	32.316	56.490	56.524	1.022	5.500	1.808	32.300
198	9.900	32.480	66.580	66.610	1.303	4.830	1.956	26.800
199	9.950	32.644	85.150	85.187	1.023	5.950	1.201	23.900
200	10.000	32.808	40.490	40.512	0.742	3.460	1.832	20.400
201	10.050	32.972	25.460	25.474	1.159	2.210	4.550	19.600
202	10.100	33.136	28.040	28.047	0.918	1.060	3.273	21.300
203	10.150	33.300	23.480	23.478	0.495	-0.270	2.108	26.700
204	10.200	33.464	39.860	39.878	0.738	2.810	1.851	35.600
205	10.250	33.628	88.820	88.871	1.534	8.240	1.726	36.900
206	10.300	33.792	62.680	62.699	1.592	3.110	2.539	33.300
207	10.350	33.956	54.700	54.702	1.552	0.260	2.837	36.000
208	10.400	34.120	72.560	72.627	1.417	10.660	1.951	35.400
209	10.450	34.284	43.060	43.077	1.216	2.790	2.823	35.100
210	10.500	34.448	38.550	38.561	0.867	1.710	2.248	33.300
211	10.550	34.612	32.220	32.233	0.741	2.150	2.299	37.900
212	10.600	34.776	31.210	31.233	0.527	3.750	1.687	41.300
213	10.650	34.941	25.000	25.019	0.471	3.020	1.883	38.700
214	10.700	35.105	24.450	24.466	0.613	2.640	2.505	35.600
215	10.750	35.269	31.190	31.201	0.499	1.780	1.599	36.700
216	10.800	35.433	30.460	30.467	0.553	1.130	1.815	32.300
217	10.850	35.597	33.510	33.524	0.432	2.240	1.289	38.000
218	10.900	35.761	38.080	38.086	0.429	1.020	1.126	30.600
219	10.950	35.925	27.270	27.295	0.578	4.080	2.118	42.200
220	11.000	36.089	40.210	40.230	0.424	3.280	1.054	43.200
221	11.050	36.253	44.450	44.463	0.523	2.030	1.176	41.500
222	11.100	36.417	49.860	49.879	0.600	2.990	1.203	35.100
223	11.150	36.581	37.530	37.536	0.600	1.020	1.598	43.400
224	11.200	36.745	37.480	37.505	0.819	4.070	2.184	45.500
225	11.250	36.909	48.940	48.963	1.021	3.700	2.085	48.700
226	11.300	37.073	45.190	45.218	0.938	4.420	2.074	51.900
227	11.350	37.237	42.280	42.294	0.889	2.320	2.102	35.700
228	11.400	37.401	23.100	23.132	0.719	5.090	3.108	31.400
229	11.450	37.565	30.710	30.776	0.672	10.600	2.184	25.600
230	11.500	37.729	37.540	37.648	0.983	17.250	2.611	26.500
231	11.550	37.893	44.560	44.670	1.192	17.560	2.668	19.000
232	11.600	38.057	79.820	79.898	1.806	12.420	2.260	12.300
233	11.650	38.221	49.030	49.092	1.756	9.930	3.577	11.700
234	11.700	38.385	42.410	42.487	1.787	12.400	4.206	10.100
235	11.750	38.549	40.830	40.927	1.589	15.600	3.882	8.500
236	11.800	38.713	41.970	42.018	1.733	7.750	4.124	11.300
237	11.850	38.877	49.680	49.712	1.423	5.130	2.862	8.200
238	11.900	39.042	51.620	51.653	1.311	5.320	2.538	5.900
239	11.950	39.206	58.110	58.173	1.071	10.060	1.841	11.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	77.730	77.798	1.578	10.830	2.028	11.600
241	12.050	39.534	76.380	76.458	1.995	12.440	2.609	9.200
242	12.100	39.698	41.220	41.257	1.441	5.940	3.493	12.200
243	12.150	39.862	28.540	28.573	1.202	5.220	4.207	9.700
244	12.200	40.026	38.010	38.055	0.847	7.170	2.226	19.700
245	12.250	40.190	35.970	36.010	0.966	6.390	2.683	16.600
246	12.300	40.354	34.910	34.976	1.190	10.600	3.402	27.900
247	12.350	40.518	48.430	48.498	1.237	10.920	2.551	29.000
248	12.400	40.682	31.470	31.549	1.735	12.670	5.499	42.500
249	12.450	40.846	65.300	65.388	1.710	14.140	2.615	58.600
250	12.500	41.010	55.260	55.318	1.416	9.240	2.560	73.000
251	12.550	41.174	37.270	37.358	1.855	14.150	4.965	70.800
252	12.600	41.338	50.230	50.304	1.338	11.800	2.660	67.800
253	12.650	41.502	62.630	62.708	0.954	12.540	1.521	76.700
254	12.700	41.666	67.080	67.156	0.608	12.230	0.905	78.000
255	12.750	41.830	64.510	64.585	0.609	11.940	0.943	76.100
256	12.800	41.994	62.140	62.213	0.681	11.660	1.095	66.100
257	12.850	42.158	58.290	58.362	0.621	11.540	1.064	63.200
258	12.900	42.322	53.140	53.212	0.518	11.560	0.973	52.800
259	12.950	42.486	42.270	42.328	0.384	9.300	0.907	39.700
260	13.000	42.650	31.830	31.882	0.304	8.320	0.954	42.200
261	13.050	42.814	27.680	27.729	0.405	7.820	1.461	36.200
262	13.100	42.978	27.440	27.488	0.440	7.690	1.601	40.200
263	13.150	43.143	32.530	32.580	0.657	7.930	2.017	52.400
264	13.200	43.307	51.070	51.127	0.830	9.210	1.623	40.200
265	13.250	43.471	22.300	22.355	1.928	8.870	8.624	30.300
266	13.300	43.635	22.550	22.656	1.384	17.000	6.109	29.400
267	13.350	43.799	59.100	59.118	1.268	2.840	2.145	26.800
268	13.400	43.963	47.540	47.607	1.171	10.810	2.460	23.700
269	13.450	44.127	139.790	139.852	1.979	9.880	1.415	20.500
270	13.500	44.291	45.350	45.383	1.658	5.250	3.653	14.700
271	13.550	44.455	19.620	19.706	1.540	13.710	7.815	16.200
272	13.600	44.619	26.130	26.223	0.629	14.930	2.399	19.700
273	13.650	44.783	25.240	25.315	0.871	11.960	3.441	20.200
274	13.700	44.947	33.530	33.584	0.815	8.630	2.427	20.700
275	13.750	45.111	22.710	22.776	0.837	10.650	3.675	0.000
276	13.800	45.275	20.460	20.513	0.710	8.550	3.461	0.000
277	13.850	45.439	15.580	15.632	0.513	8.320	3.282	0.000
278	13.900	45.603	12.440	12.492	0.558	8.370	4.467	0.000
279	13.950	45.767	21.120	21.178	0.658	9.360	3.107	0.000
280	14.000	45.931	28.890	28.948	0.965	9.240	3.334	0.000
281	14.050	46.095	39.210	39.280	0.811	11.160	2.065	0.000
282	14.100	46.259	29.770	29.799	0.809	4.720	2.715	0.000
283	14.150	46.423	33.560	33.629	0.869	11.010	2.584	0.000
284	14.200	46.587	62.640	62.714	0.593	11.790	0.946	0.000
285	14.250	46.751	58.830	58.864	0.329	5.430	0.559	0.000
286	14.300	46.915	54.340	54.413	0.787	11.700	1.446	0.000
287	14.350	47.079	128.800	128.897	1.103	15.580	0.856	0.000
288	14.400	47.244	54.350	54.408	1.343	9.320	2.468	0.000
289	14.450	47.408	54.120	54.185	0.000	10.480	0.000	0.000
290	14.500	47.572	46.170	46.272	0.000	16.350	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221619
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-14-2
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-22-2013
CPT Time:	09:44
CPT File:	13-53075_GP14-2.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722271.712
Northing / Lat:	4294372.962
Elevation:	144.504
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	20.930	20.974	0.065	7.080	0.310	24.900
2	0.100	0.328	43.350	43.365	0.073	2.370	0.168	27.400
3	0.150	0.492	36.730	36.744	0.096	2.220	0.261	34.200
4	0.200	0.656	42.660	42.666	0.231	0.960	0.541	34.500
5	0.250	0.820	51.130	51.144	0.355	2.290	0.694	43.300
6	0.300	0.984	39.430	39.452	0.498	3.560	1.262	44.600
7	0.350	1.148	51.600	51.611	1.025	1.770	1.986	60.000
8	0.400	1.312	98.020	98.037	1.849	2.740	1.886	59.400
9	0.450	1.476	88.260	88.287	3.024	4.260	3.425	59.900
10	0.500	1.640	99.020	99.027	1.778	1.200	1.795	0.000
11	0.550	1.804	61.010	61.024	1.504	2.280	2.465	0.000
12	0.600	1.968	113.030	113.043	1.478	2.050	1.307	0.000
13	0.650	2.133	123.370	123.366	0.799	-0.640	0.648	0.000
14	0.700	2.297	133.780	133.796	1.404	2.610	1.049	0.000
15	0.750	2.461	142.900	142.887	0.828	-2.130	0.579	0.000
16	0.800	2.625	87.130	87.116	3.187	-2.170	3.658	0.000
17	0.850	2.789	86.070	86.096	3.394	4.090	3.942	0.000
18	0.900	2.953	383.360	383.360	2.294	-0.010	0.598	0.000
19	0.950	3.117	404.900	404.898	0.636	-0.270	0.157	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	294.520	294.522	2.379	0.360	0.808	0.000
21	1.050	3.445	245.130	245.125	3.299	-0.810	1.346	0.000
22	1.100	3.609	129.410	129.428	2.903	2.920	2.243	0.000
23	1.150	3.773	97.290	97.297	2.514	1.190	2.584	0.000
24	1.200	3.937	455.040	455.040	0.000	0.050	0.000	0.000
25	1.250	4.101	508.880	508.881	0.000	0.100	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221620
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-14-3
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-22-2013
CPT Time:	10:12
CPT File:	13-53075_GP14-3.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722277.375
Northing / Lat:	4294363.788
Elevation:	144.262
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	52.630	52.648	0.024	2.880	0.046	0.000
2	0.100	0.328	50.390	50.404	0.021	2.170	0.042	0.000
3	0.150	0.492	51.980	51.994	0.108	2.180	0.208	0.000
4	0.200	0.656	53.360	53.367	0.191	1.130	0.358	0.000
5	0.250	0.820	40.110	40.126	0.237	2.580	0.591	0.000
6	0.300	0.984	105.060	105.116	0.214	8.970	0.204	0.000
7	0.350	1.148	478.420	478.423	0.000	0.530	0.000	0.000
8	0.400	1.312	545.930	545.944	0.000	2.310	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221622
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-14-3S
Cone ID:	226:T1500F15U500
Operator:	DC/YB
CPT Date:	Feb-04-2014
CPT Time:	10:09
CPT File:	13-53075_GP14-3S.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722277.240
Northing / Lat:	4294364.080
Elevation:	144.270
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	4.530	4.557	0.008	4.350	0.176	42.600
2	0.100	0.328	5.450	5.469	0.007	3.000	0.128	41.700
3	0.150	0.492	5.500	5.514	0.008	2.190	0.145	45.800
4	0.200	0.656	5.530	5.541	0.007	1.760	0.126	48.000
5	0.250	0.820	4.560	4.569	0.003	1.430	0.066	51.100
6	0.300	0.984	3.450	3.456	0.004	0.930	0.116	55.100
7	0.350	1.148	2.380	2.384	0.006	0.710	0.252	46.800
8	0.400	1.312	2.700	2.708	0.008	1.270	0.295	39.400
9	0.450	1.476	1.790	1.795	0.008	0.840	0.446	43.100
10	0.500	1.640	1.420	1.424	0.007	0.640	0.492	47.600
11	0.550	1.804	1.100	1.103	0.007	0.500	0.635	51.600
12	0.600	1.968	1.310	1.313	0.010	0.500	0.762	51.300
13	0.650	2.133	1.570	1.574	0.009	0.650	0.572	59.800
14	0.700	2.297	1.940	1.945	0.009	0.800	0.463	51.900
15	0.750	2.461	3.610	3.617	0.008	1.070	0.221	69.800
16	0.800	2.625	5.460	5.467	0.011	1.190	0.201	84.800
17	0.850	2.789	6.360	6.367	0.012	1.050	0.188	73.200
18	0.900	2.953	6.880	6.886	0.012	1.000	0.174	65.000
19	0.950	3.117	7.720	7.726	0.012	0.900	0.155	66.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	7.680	7.685	0.012	0.820	0.156	69.600
21	1.050	3.445	7.600	7.605	0.011	0.820	0.145	71.700
22	1.100	3.609	9.000	9.005	0.012	0.800	0.133	72.700
23	1.150	3.773	13.140	13.149	0.012	1.380	0.091	67.900
24	1.200	3.937	16.720	16.729	0.011	1.510	0.066	57.600
25	1.250	4.101	16.970	16.978	0.010	1.320	0.059	64.500
26	1.300	4.265	15.230	15.237	0.002	1.080	0.013	60.700
27	1.350	4.429	14.610	14.615	0.003	0.830	0.021	53.000
28	1.400	4.593	13.160	13.174	0.005	2.320	0.038	59.700
29	1.450	4.757	11.980	11.990	0.003	1.530	0.025	60.100
30	1.500	4.921	10.870	10.878	0.003	1.300	0.028	40.500
31	1.550	5.085	9.700	9.706	0.002	1.040	0.021	39.000
32	1.600	5.249	10.040	10.046	0.002	0.980	0.020	37.900
33	1.650	5.413	9.330	9.335	0.002	0.880	0.021	44.900
34	1.700	5.577	8.790	8.796	0.002	0.940	0.023	41.300
35	1.750	5.741	9.130	9.136	0.003	0.940	0.033	42.400
36	1.800	5.905	9.450	9.457	0.003	1.070	0.032	43.400
37	1.850	6.069	9.380	9.386	0.004	1.020	0.043	39.700
38	1.900	6.234	9.830	9.837	0.004	1.090	0.041	43.500
39	1.950	6.398	11.040	11.047	0.001	1.150	0.009	45.600
40	2.000	6.562	10.960	10.967	0.003	1.130	0.027	40.700
41	2.050	6.726	11.240	11.247	0.003	1.100	0.027	46.800
42	2.100	6.890	11.690	11.697	0.003	1.060	0.026	39.700
43	2.150	7.054	12.020	12.027	0.001	1.100	0.008	55.500
44	2.200	7.218	11.850	11.857	0.003	1.140	0.025	60.900
45	2.250	7.382	10.680	10.686	0.003	0.950	0.028	54.700
46	2.300	7.546	9.780	9.786	0.010	0.950	0.102	62.500
47	2.350	7.710	8.650	8.655	0.009	0.800	0.104	69.700
48	2.400	7.874	7.150	7.161	0.010	1.770	0.140	66.000
49	2.450	8.038	5.290	5.298	0.009	1.240	0.170	71.700
50	2.500	8.202	4.050	4.057	0.008	1.100	0.197	74.900
51	2.550	8.366	3.240	3.245	0.010	0.840	0.308	69.700
52	2.600	8.530	3.170	3.175	0.009	0.850	0.283	69.000
53	2.650	8.694	7.080	7.093	0.008	2.100	0.113	58.900
54	2.700	8.858	9.210	9.221	0.097	1.830	1.052	58.200
55	2.750	9.022	16.540	16.560	0.196	3.130	1.184	52.300
56	2.800	9.186	30.160	30.184	0.319	3.770	1.057	49.300
57	2.850	9.350	25.770	25.793	0.453	3.700	1.756	41.600
58	2.900	9.514	10.970	10.982	0.363	1.980	3.305	50.100
59	2.950	9.678	7.620	7.654	0.330	5.460	4.311	52.100
60	3.000	9.842	10.510	10.579	0.309	10.980	2.921	82.700
61	3.050	10.006	14.830	14.920	0.612	14.400	4.102	88.300
62	3.100	10.170	9.250	9.465	0.599	34.470	6.328	108.700
63	3.150	10.335	69.630	69.616	0.149	-2.180	0.214	97.700
64	3.200	10.499	80.780	80.800	0.382	3.260	0.473	95.700
65	3.250	10.663	87.310	87.357	0.456	7.530	0.522	94.500
66	3.300	10.827	35.550	35.593	0.554	6.960	1.556	52.800
67	3.350	10.991	29.740	29.757	0.583	2.690	1.959	45.400
68	3.400	11.155	33.520	33.540	0.450	3.240	1.342	36.300
69	3.450	11.319	19.620	19.649	0.502	4.590	2.555	35.500
70	3.500	11.483	20.400	20.533	0.638	21.320	3.107	35.200
71	3.550	11.647	28.030	28.100	0.326	11.250	1.160	30.700
72	3.600	11.811	39.770	39.764	0.210	-0.930	0.528	22.400
73	3.650	11.975	22.490	22.498	0.166	1.240	0.738	24.200
74	3.700	12.139	24.320	24.329	0.316	1.450	1.299	19.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	39.050	39.063	0.281	2.060	0.719	17.100
76	3.800	12.467	47.410	47.426	0.379	2.520	0.799	21.100
77	3.850	12.631	39.060	39.152	0.479	14.760	1.223	16.000
78	3.900	12.795	14.810	14.906	0.475	15.330	3.187	20.700
79	3.950	12.959	15.860	15.858	0.395	-0.280	2.491	24.700
80	4.000	13.123	20.700	20.857	0.286	25.210	1.371	24.300
81	4.050	13.287	9.150	9.162	0.427	1.850	4.661	32.100
82	4.100	13.451	21.990	22.011	0.519	3.440	2.358	35.800
83	4.150	13.615	46.990	47.023	1.164	5.310	2.475	43.000
84	4.200	13.779	51.590	51.712	1.194	19.500	2.309	61.200
85	4.250	13.943	29.520	29.592	1.164	11.540	3.933	82.500
86	4.300	14.107	58.870	58.855	0.916	-2.340	1.556	75.200
87	4.350	14.271	72.530	72.488	0.940	-6.770	1.297	88.700
88	4.400	14.436	66.450	66.424	1.079	-4.240	1.624	71.700
89	4.450	14.600	58.080	58.037	1.139	-6.860	1.963	72.900
90	4.500	14.764	47.630	47.566	0.889	-10.210	1.869	70.800
91	4.550	14.928	63.050	62.989	0.764	-9.740	1.213	61.300
92	4.600	15.092	73.680	73.620	0.905	-9.660	1.229	57.000
93	4.650	15.256	30.290	30.313	0.886	3.700	2.923	63.000
94	4.700	15.420	28.590	28.586	0.806	-0.650	2.820	50.200
95	4.750	15.584	24.980	24.978	0.560	-0.300	2.242	54.000
96	4.800	15.748	19.810	19.827	0.528	2.760	2.663	63.000
97	4.850	15.912	16.720	16.733	0.418	2.120	2.498	54.300
98	4.900	16.076	23.910	23.941	0.533	5.040	2.226	48.300
99	4.950	16.240	32.330	32.341	0.616	1.840	1.905	40.100
100	5.000	16.404	38.800	38.872	0.739	11.590	1.901	31.500
101	5.050	16.568	102.160	102.195	1.669	5.670	1.633	29.200
102	5.100	16.732	94.590	94.633	1.792	6.950	1.894	32.600
103	5.150	16.896	34.390	34.455	1.794	10.450	5.207	35.300
104	5.200	17.060	95.980	95.999	1.505	3.040	1.568	53.600
105	5.250	17.224	142.340	142.342	1.031	0.390	0.724	52.100
106	5.300	17.388	65.190	65.216	1.467	4.180	2.249	59.000
107	5.350	17.552	95.840	95.850	1.229	1.660	1.282	38.300
108	5.400	17.716	27.850	27.857	1.074	1.200	3.855	43.000
109	5.450	17.880	31.520	31.547	0.950	4.350	3.011	37.900
110	5.500	18.044	50.080	50.123	0.794	6.930	1.584	27.600
111	5.550	18.208	42.230	42.302	0.746	11.520	1.764	22.300
112	5.600	18.372	18.270	18.312	0.951	6.790	5.193	24.300
113	5.650	18.537	9.420	9.421	0.768	0.170	8.152	30.000
114	5.700	18.701	24.280	24.296	0.599	2.640	2.465	34.500
115	5.750	18.865	18.070	18.079	0.581	1.370	3.214	50.800
116	5.800	19.029	12.990	13.043	0.412	8.510	3.159	56.000
117	5.850	19.193	8.530	8.700	0.310	27.310	3.563	56.700
118	5.900	19.357	10.780	10.976	0.313	31.330	2.852	46.700
119	5.950	19.521	15.720	15.876	0.383	25.010	2.412	38.800
120	6.000	19.685	33.800	33.820	0.874	3.160	2.584	39.100
121	6.050	19.849	42.990	42.994	1.358	0.590	3.159	31.900
122	6.100	20.013	28.020	28.039	1.274	3.080	4.544	25.800
123	6.150	20.177	23.520	23.493	0.945	-4.300	4.022	28.800
124	6.200	20.341	42.190	42.186	1.175	-0.650	2.785	26.200
125	6.250	20.505	133.120	133.184	1.987	10.180	1.492	18.100
126	6.300	20.669	70.110	70.110	1.641	0.030	2.341	16.900
127	6.350	20.833	16.090	16.173	1.168	13.360	7.222	21.300
128	6.400	20.997	13.430	13.431	0.439	0.140	3.269	15.100
129	6.450	21.161	4.460	4.468	0.423	1.310	9.467	11.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	17.640	17.618	0.424	-3.480	2.407	10.100
131	6.550	21.489	12.490	12.605	0.375	18.460	2.975	12.800
132	6.600	21.653	13.290	13.310	0.609	3.160	4.576	13.800
133	6.650	21.817	19.290	19.344	0.712	8.720	3.681	13.300
134	6.700	21.981	36.640	36.661	1.094	3.310	2.984	19.900
135	6.750	22.145	70.780	70.806	1.307	4.180	1.846	19.700
136	6.800	22.309	25.150	25.153	1.452	0.550	5.773	14.500
137	6.850	22.473	32.220	32.253	1.283	5.290	3.978	12.400
138	6.900	22.638	29.440	29.453	0.652	2.030	2.214	11.700
139	6.950	22.802	10.030	10.035	0.621	0.740	6.189	13.400
140	7.000	22.966	7.170	7.279	0.511	17.450	7.020	16.800
141	7.050	23.130	23.030	23.043	0.446	2.050	1.936	18.900
142	7.100	23.294	42.480	42.511	1.142	4.900	2.686	18.400
143	7.150	23.458	35.230	35.340	1.291	17.680	3.653	15.200
144	7.200	23.622	79.110	79.164	1.680	8.660	2.122	22.500
145	7.250	23.786	98.880	98.926	2.059	7.430	2.081	25.800
146	7.300	23.950	63.850	63.856	1.725	0.970	2.701	21.800
147	7.350	24.114	48.960	48.972	1.610	1.850	3.288	22.900
148	7.400	24.278	47.330	47.268	1.353	-9.920	2.862	26.700
149	7.450	24.442	26.280	26.284	1.165	0.620	4.432	32.600
150	7.500	24.606	18.220	18.240	0.999	3.140	5.477	47.700
151	7.550	24.770	21.180	21.166	0.795	-2.320	3.756	61.400
152	7.600	24.934	27.570	27.685	0.565	18.450	2.041	61.800
153	7.650	25.098	38.310	38.286	0.552	-3.850	1.442	62.900
154	7.700	25.262	39.000	38.986	0.729	-2.190	1.870	71.400
155	7.750	25.426	37.730	37.746	0.746	2.550	1.976	54.600
156	7.800	25.590	35.570	35.655	1.177	13.550	3.301	53.200
157	7.850	25.754	33.350	33.341	2.428	-1.450	7.282	31.200
158	7.900	25.918	106.980	106.976	2.563	-0.650	2.396	30.800
159	7.950	26.082	40.490	40.619	2.282	20.610	5.618	21.000
160	8.000	26.246	46.790	46.967	1.444	28.290	3.075	20.000
161	8.050	26.410	49.760	49.849	1.455	14.330	2.919	17.900
162	8.100	26.574	51.990	52.013	1.030	3.690	1.980	14.400
163	8.150	26.739	61.250	61.258	1.437	1.320	2.346	15.200
164	8.200	26.903	50.010	50.043	1.466	5.340	2.929	25.000
165	8.250	27.067	36.430	36.440	1.544	1.630	4.237	28.100
166	8.300	27.231	30.620	30.633	0.913	2.090	2.980	33.000
167	8.350	27.395	34.760	35.034	1.124	43.950	3.208	34.500
168	8.400	27.559	50.040	50.066	1.278	4.170	2.553	28.800
169	8.450	27.723	37.400	37.447	2.027	7.580	5.413	33.700
170	8.500	27.887	96.980	97.180	2.920	32.070	3.005	36.700
171	8.550	28.051	106.900	106.911	2.915	1.700	2.727	52.600
172	8.600	28.215	33.520	33.556	2.347	5.750	6.994	63.400
173	8.650	28.379	22.980	23.025	1.240	7.190	5.385	78.900
174	8.700	28.543	24.190	24.294	0.757	16.640	3.116	75.800
175	8.750	28.707	20.040	20.139	0.612	15.860	3.039	69.500
176	8.800	28.871	21.230	21.446	0.808	34.680	3.768	70.800
177	8.850	29.035	34.020	34.438	0.971	66.960	2.820	68.900
178	8.900	29.199	36.900	37.012	0.936	17.920	2.529	59.000
179	8.950	29.363	45.820	45.787	0.899	-5.230	1.963	57.400
180	9.000	29.527	25.720	25.727	0.669	1.110	2.600	51.100
181	9.050	29.691	29.910	29.932	0.681	3.590	2.275	58.900
182	9.100	29.855	57.100	57.340	0.770	38.500	1.343	71.400
183	9.150	30.019	64.350	64.389	0.812	6.210	1.261	78.500
184	9.200	30.183	57.530	57.587	0.803	9.180	1.394	84.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	55.380	55.444	0.788	10.270	1.421	80.700
186	9.300	30.511	52.950	53.015	0.706	10.480	1.332	89.900
187	9.350	30.675	49.420	49.458	0.657	6.100	1.328	88.300
188	9.400	30.840	42.650	42.681	0.678	4.990	1.589	98.900
189	9.450	31.004	38.030	38.058	0.746	4.440	1.960	87.700
190	9.500	31.168	31.790	31.841	0.756	8.180	2.374	79.900
191	9.550	31.332	29.020	29.088	0.595	10.910	2.046	95.600
192	9.600	31.496	28.250	28.313	0.582	10.160	2.056	79.300
193	9.650	31.660	22.250	22.293	0.534	6.950	2.395	73.200
194	9.700	31.824	18.770	18.814	0.540	7.050	2.870	70.100
195	9.750	31.988	26.860	26.951	0.746	14.600	2.768	61.400
196	9.800	32.152	29.610	29.692	0.817	13.120	2.752	56.000
197	9.850	32.316	19.400	19.468	0.784	10.920	4.027	58.100
198	9.900	32.480	29.480	29.507	1.072	4.320	3.633	74.500
199	9.950	32.644	47.900	47.925	1.042	4.040	2.174	71.400
200	10.000	32.808	36.300	36.335	1.137	5.590	3.129	81.700
201	10.050	32.972	37.330	37.358	0.886	4.510	2.372	89.900
202	10.100	33.136	33.100	33.142	0.897	6.680	2.707	85.300
203	10.150	33.300	27.050	27.092	0.879	6.790	3.244	87.200
204	10.200	33.464	21.880	21.943	0.795	10.040	3.623	92.600
205	10.250	33.628	23.280	23.356	0.713	12.110	3.053	87.600
206	10.300	33.792	24.920	25.021	0.761	16.220	3.041	88.200
207	10.350	33.956	29.900	30.008	0.673	17.370	2.243	101.600
208	10.400	34.120	32.470	32.523	0.731	8.560	2.248	92.000
209	10.450	34.284	28.900	28.935	0.750	5.620	2.592	96.900
210	10.500	34.448	24.930	24.981	0.741	8.220	2.966	91.000
211	10.550	34.612	33.380	33.438	0.649	9.290	1.941	93.200
212	10.600	34.776	39.860	39.912	0.691	8.400	1.731	93.100
213	10.650	34.941	38.200	38.237	0.766	5.890	2.003	103.100
214	10.700	35.105	36.090	36.148	0.737	9.230	2.039	85.300
215	10.750	35.269	37.490	37.553	0.742	10.140	1.976	92.400
216	10.800	35.433	38.930	38.992	0.767	9.900	1.967	90.500
217	10.850	35.597	27.650	27.702	0.752	8.340	2.715	83.600
218	10.900	35.761	23.120	23.188	0.654	10.970	2.820	90.800
219	10.950	35.925	24.680	24.792	0.545	18.020	2.198	94.100
220	11.000	36.089	29.000	29.147	0.548	23.540	1.880	86.800
221	11.050	36.253	37.800	37.930	0.638	20.880	1.682	100.700
222	11.100	36.417	39.240	39.344	0.702	16.610	1.784	83.200
223	11.150	36.581	26.840	26.925	0.761	13.630	2.826	111.800
224	11.200	36.745	23.060	23.200	0.650	22.460	2.802	84.200
225	11.250	36.909	30.350	30.541	0.546	30.620	1.788	84.500
226	11.300	37.073	42.350	42.481	0.687	20.990	1.617	70.700
227	11.350	37.237	40.580	40.681	0.775	16.230	1.905	90.500
228	11.400	37.401	38.920	38.976	0.851	9.020	2.183	93.500
229	11.450	37.565	37.310	37.373	0.793	10.160	2.122	89.900
230	11.500	37.729	55.540	55.602	0.753	9.880	1.354	75.200
231	11.550	37.893	51.580	51.625	0.965	7.150	1.869	87.200
232	11.600	38.057	35.050	35.092	0.836	6.780	2.382	83.800
233	11.650	38.221	27.160	27.235	0.618	11.960	2.269	93.900
234	11.700	38.385	21.640	21.756	0.378	18.600	1.737	97.200
235	11.750	38.549	19.290	19.458	0.354	26.920	1.819	89.300
236	11.800	38.713	27.360	27.583	0.363	35.740	1.316	83.700
237	11.850	38.877	21.830	22.077	0.356	39.500	1.613	92.700
238	11.900	39.042	17.760	18.083	0.409	51.700	2.262	85.200
239	11.950	39.206	18.640	19.107	0.429	74.730	2.245	74.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	43.680	44.167	0.847	77.970	1.918	92.200
241	12.050	39.534	40.850	40.992	1.263	22.730	3.081	74.000
242	12.100	39.698	36.100	36.112	1.314	1.870	3.639	67.400
243	12.150	39.862	30.430	30.525	1.093	15.220	3.581	68.900
244	12.200	40.026	39.390	39.518	1.240	20.430	3.138	72.100
245	12.250	40.190	68.160	68.209	1.429	7.830	2.095	83.300
246	12.300	40.354	43.230	43.273	1.308	6.940	3.023	92.100
247	12.350	40.518	43.770	43.828	1.304	9.230	2.975	96.800
248	12.400	40.682	67.480	67.454	1.587	-4.110	2.353	90.400
249	12.450	40.846	62.270	62.502	1.608	37.160	2.573	99.200
250	12.500	41.010	73.450	73.547	2.205	15.530	2.998	88.900
251	12.550	41.174	50.440	50.529	2.615	14.260	5.175	93.800
252	12.600	41.338	43.450	43.514	2.413	10.210	5.545	94.600
253	12.650	41.502	43.930	43.994	2.081	10.280	4.730	83.700
254	12.700	41.666	77.150	77.301	1.972	24.180	2.551	85.400
255	12.750	41.830	109.600	109.695	1.740	15.260	1.586	84.100
256	12.800	41.994	107.660	107.744	1.868	13.480	1.734	85.400
257	12.850	42.158	108.250	108.323	1.832	11.730	1.691	93.900
258	12.900	42.322	98.220	98.284	1.827	10.220	1.859	84.000
259	12.950	42.486	103.350	103.430	1.488	12.860	1.439	104.000
260	13.000	42.650	139.370	139.452	1.804	13.210	1.294	87.300
261	13.050	42.814	145.430	145.506	1.773	12.150	1.219	104.800
262	13.100	42.978	141.430	141.503	2.122	11.710	1.500	87.600
263	13.150	43.143	136.600	136.663	2.387	10.140	1.747	91.900
264	13.200	43.307	126.250	126.309	2.601	9.480	2.059	0.000
265	13.250	43.471	105.600	105.654	2.036	8.610	1.927	0.000
266	13.300	43.635	81.910	81.954	1.369	6.980	1.670	0.000
267	13.350	43.799	49.620	49.653	1.406	5.310	2.832	0.000
268	13.400	43.963	30.550	30.575	1.210	4.060	3.957	0.000
269	13.450	44.127	24.050	24.072	0.964	3.600	4.005	0.000
270	13.500	44.291	21.020	21.094	0.550	11.910	2.607	0.000
271	13.550	44.455	30.490	30.592	0.341	16.280	1.115	0.000
272	13.600	44.619	24.590	24.670	0.247	12.770	1.001	0.000
273	13.650	44.783	17.430	17.522	0.325	14.800	1.855	0.000
274	13.700	44.947	14.050	14.215	2.272	26.390	15.983	0.000
275	13.750	45.111	150.510	150.634	2.483	19.810	1.648	0.000
276	13.800	45.275	111.730	111.971	1.936	38.670	1.729	0.000
277	13.850	45.439	152.440	152.484	3.876	7.120	2.542	0.000
278	13.900	45.603	317.300	317.320	0.000	3.180	0.000	0.000
279	13.950	45.767	321.970	321.969	0.000	-0.090	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221624
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-14-4
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-22-2013
CPT Time:	10:36
CPT File:	13-53075_GP14-4.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722285.124
Northing / Lat:	4294351.453
Elevation:	144.541
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	80.750	80.751	0.001	0.110	0.001	0.000
2	0.100	0.328	103.870	103.876	0.102	1.020	0.098	0.000
3	0.150	0.492	106.510	106.512	0.210	0.400	0.197	0.000
4	0.200	0.656	88.830	88.846	0.347	2.550	0.391	0.000
5	0.250	0.820	71.500	71.513	0.422	2.080	0.590	0.000
6	0.300	0.984	34.220	34.290	0.662	11.240	1.931	0.000
7	0.350	1.148	23.570	23.616	0.548	7.340	2.320	0.000
8	0.400	1.312	47.200	47.222	0.513	3.460	1.086	0.000
9	0.450	1.476	39.350	39.370	0.435	3.260	1.105	0.000
10	0.500	1.640	60.350	60.371	0.772	3.410	1.279	0.000
11	0.550	1.804	81.730	81.745	0.552	2.390	0.675	0.000
12	0.600	1.968	90.800	90.832	1.033	5.050	1.137	0.000
13	0.650	2.133	118.990	119.022	1.154	5.140	0.970	0.000
14	0.700	2.297	430.820	430.849	1.388	4.680	0.322	0.000
15	0.750	2.461	486.810	486.817	0.000	1.050	0.000	0.000
16	0.800	2.625	512.380	512.383	0.000	0.500	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221625
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-14-5
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-22-2013
CPT Time:	10:36
CPT File:	13-53075_GP14-5.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722295.572
Northing / Lat:	4294336.152
Elevation:	144.153
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	26.650	26.652	0.001	0.330	0.004	32.100
2	0.100	0.328	45.790	45.789	0.001	-0.240	0.002	41.800
3	0.150	0.492	53.620	53.624	0.001	0.570	0.002	48.500
4	0.200	0.656	47.660	47.659	0.146	-0.180	0.306	64.000
5	0.250	0.820	46.320	46.315	0.238	-0.790	0.514	77.000
6	0.300	0.984	17.150	17.160	0.283	1.550	1.649	78.200
7	0.350	1.148	14.760	14.767	0.377	1.120	2.553	95.500
8	0.400	1.312	14.780	14.781	0.357	0.190	2.415	90.300
9	0.450	1.476	15.480	15.443	0.408	-5.950	2.642	90.100
10	0.500	1.640	14.700	14.712	0.556	1.930	3.779	96.200
11	0.550	1.804	20.080	20.080	0.486	-0.020	2.420	83.700
12	0.600	1.968	23.530	23.535	0.485	0.860	2.061	87.300
13	0.650	2.133	34.110	34.106	0.601	-0.670	1.762	83.600
14	0.700	2.297	47.840	47.844	0.696	0.610	1.455	80.200
15	0.750	2.461	68.000	68.027	1.475	4.280	2.168	80.100
16	0.800	2.625	89.050	89.054	1.071	0.700	1.203	75.600
17	0.850	2.789	107.000	107.007	1.300	1.070	1.215	73.900
18	0.900	2.953	101.420	101.424	1.322	0.630	1.303	75.700
19	0.950	3.117	99.610	99.610	1.826	-0.070	1.833	78.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	96.030	96.042	1.261	1.900	1.313	76.600
21	1.050	3.445	123.060	123.065	1.248	0.760	1.014	79.500
22	1.100	3.609	131.460	131.489	1.711	4.590	1.301	78.000
23	1.150	3.773	127.530	127.577	1.672	7.580	1.311	80.000
24	1.200	3.937	119.970	120.012	2.769	6.740	2.307	81.600
25	1.250	4.101	228.290	228.429	4.874	22.300	2.134	79.900
26	1.300	4.265	317.970	318.030	5.049	9.540	1.588	80.400
27	1.350	4.429	319.290	319.313	2.316	3.740	0.725	80.300
28	1.400	4.593	258.300	258.374	2.847	11.920	1.102	94.300
29	1.450	4.757	240.930	241.010	2.051	12.790	0.851	94.500
30	1.500	4.921	277.570	277.619	6.747	7.830	2.430	89.200
31	1.550	5.085	272.610	272.673	4.957	10.140	1.818	91.500
32	1.600	5.249	290.970	291.002	4.531	5.050	1.557	90.500
33	1.650	5.413	206.500	206.687	3.418	29.920	1.654	95.200
34	1.700	5.577	197.030	197.098	2.152	10.860	1.092	87.300
35	1.750	5.741	195.410	195.499	1.464	14.180	0.749	87.700
36	1.800	5.905	197.010	197.068	2.132	9.270	1.082	77.700
37	1.850	6.069	176.830	176.934	5.660	16.640	3.199	73.900
38	1.900	6.234	259.070	259.141	3.216	11.450	1.241	83.100
39	1.950	6.398	304.470	304.507	3.040	5.950	0.998	81.400
40	2.000	6.562	311.210	311.287	3.440	12.280	1.105	72.300
41	2.050	6.726	252.100	252.175	3.565	11.980	1.414	70.100
42	2.100	6.890	183.790	183.820	3.424	4.870	1.863	60.300
43	2.150	7.054	149.010	149.340	2.915	52.890	1.952	55.900
44	2.200	7.218	150.040	150.163	3.354	19.680	2.234	50.700
45	2.250	7.382	158.340	158.484	3.246	23.100	2.048	55.000
46	2.300	7.546	165.860	165.944	4.266	13.520	2.571	47.100
47	2.350	7.710	244.160	244.198	3.737	6.090	1.530	39.100
48	2.400	7.874	269.350	269.435	2.699	13.680	1.002	44.600
49	2.450	8.038	282.380	282.418	2.449	6.050	0.867	45.900
50	2.500	8.202	192.250	192.279	1.430	4.720	0.744	47.500
51	2.550	8.366	157.990	158.007	1.620	2.750	1.025	50.600
52	2.600	8.530	113.210	113.234	2.347	3.920	2.073	51.700
53	2.650	8.694	80.050	80.108	2.418	9.230	3.018	50.500
54	2.700	8.858	86.480	86.556	3.324	12.150	3.840	51.200
55	2.750	9.022	69.520	69.590	2.724	11.260	3.914	0.000
56	2.800	9.186	71.090	71.153	5.279	10.040	7.419	0.000
57	2.850	9.350	77.240	77.324	5.969	13.440	7.719	0.000
58	2.900	9.514	153.920	153.973	5.153	8.510	3.347	0.000
59	2.950	9.678	48.150	48.230	4.965	12.860	10.294	0.000
60	3.000	9.842	74.540	74.537	4.903	-0.470	6.578	0.000
61	3.050	10.006	42.630	42.688	4.399	9.220	10.305	0.000
62	3.100	10.170	22.850	23.071	5.119	35.390	22.188	0.000
63	3.150	10.335	114.480	114.581	1.796	16.160	1.567	0.000
64	3.200	10.499	136.060	136.039	1.883	-3.380	1.384	0.000
65	3.250	10.663	307.290	307.370	2.174	12.890	0.707	0.000
66	3.300	10.827	256.470	256.463	2.473	-1.160	0.964	0.000
67	3.350	10.991	287.600	287.564	2.254	-5.800	0.784	0.000
68	3.400	11.155	392.750	392.748	2.858	-0.320	0.728	0.000
69	3.450	11.319	396.390	396.364	0.000	-4.210	0.000	0.000
70	3.500	11.483	433.360	433.361	0.000	0.110	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221627
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-14-5S
Cone ID:	226:T1500F15U500
Operator:	DC/YB
CPT Date:	Feb-04-2014
CPT Time:	11:45
CPT File:	13-53075_GP14-5S.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722295.530
Northing / Lat:	4294336.340
Elevation:	144.160
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	2.240	2.245	0.011	0.870	0.490	31.400
2	0.100	0.328	3.600	3.678	0.017	12.450	0.462	39.100
3	0.150	0.492	4.870	4.907	0.015	5.850	0.306	52.400
4	0.200	0.656	6.270	6.281	0.010	1.750	0.159	45.700
5	0.250	0.820	8.380	8.389	0.011	1.480	0.131	60.400
6	0.300	0.984	10.460	10.470	0.013	1.530	0.124	59.400
7	0.350	1.148	12.090	12.098	0.014	1.270	0.116	72.700
8	0.400	1.312	14.400	14.407	0.013	1.080	0.090	82.700
9	0.450	1.476	14.190	14.197	0.015	1.180	0.106	70.200
10	0.500	1.640	16.340	16.347	0.014	1.050	0.086	58.800
11	0.550	1.804	15.720	15.725	0.016	0.870	0.102	79.500
12	0.600	1.968	15.570	15.576	0.016	0.960	0.103	78.500
13	0.650	2.133	15.610	15.615	0.014	0.810	0.090	65.100
14	0.700	2.297	15.260	15.265	0.014	0.730	0.092	65.300
15	0.750	2.461	16.000	16.003	0.015	0.540	0.094	61.500
16	0.800	2.625	16.610	16.615	0.015	0.780	0.090	56.700
17	0.850	2.789	17.280	17.284	0.016	0.620	0.093	68.200
18	0.900	2.953	17.170	17.174	0.014	0.680	0.082	59.200
19	0.950	3.117	17.120	17.124	0.013	0.680	0.076	65.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	16.550	16.554	0.014	0.660	0.085	56.300
21	1.050	3.445	15.750	15.754	0.015	0.710	0.095	67.900
22	1.100	3.609	15.180	15.184	0.014	0.570	0.092	69.800
23	1.150	3.773	14.450	14.454	0.013	0.590	0.090	53.500
24	1.200	3.937	11.970	11.974	0.013	0.610	0.109	55.800
25	1.250	4.101	9.110	9.113	0.013	0.420	0.143	56.900
26	1.300	4.265	6.300	6.303	0.013	0.470	0.206	67.100
27	1.350	4.429	4.610	4.613	0.009	0.480	0.195	61.100
28	1.400	4.593	3.070	3.073	0.008	0.460	0.260	72.800
29	1.450	4.757	3.090	3.095	0.009	0.840	0.291	69.700
30	1.500	4.921	4.040	4.046	0.009	1.020	0.222	54.100
31	1.550	5.085	4.660	4.666	0.007	1.030	0.150	61.900
32	1.600	5.249	5.810	5.816	0.008	1.000	0.138	60.900
33	1.650	5.413	7.590	7.596	0.008	1.010	0.105	66.000
34	1.700	5.577	7.580	7.587	0.007	1.120	0.092	73.800
35	1.750	5.741	7.210	7.217	0.007	1.070	0.097	74.600
36	1.800	5.905	6.920	6.926	0.009	1.000	0.130	58.000
37	1.850	6.069	6.540	6.546	0.008	1.040	0.122	59.500
38	1.900	6.234	6.780	6.786	0.009	1.000	0.133	52.300
39	1.950	6.398	8.100	8.106	0.010	0.910	0.123	58.600
40	2.000	6.562	10.910	10.917	0.008	1.060	0.073	73.400
41	2.050	6.726	15.530	15.537	0.010	1.190	0.064	63.300
42	2.100	6.890	27.150	27.158	0.019	1.320	0.070	53.400
43	2.150	7.054	43.730	43.739	0.028	1.460	0.064	44.000
44	2.200	7.218	51.780	51.789	0.027	1.400	0.052	44.100
45	2.250	7.382	57.900	57.908	0.029	1.350	0.050	43.100
46	2.300	7.546	57.190	57.198	0.028	1.290	0.049	44.300
47	2.350	7.710	53.910	53.917	0.023	1.070	0.043	43.100
48	2.400	7.874	48.820	48.826	0.026	1.040	0.053	39.200
49	2.450	8.038	43.410	43.431	0.023	3.320	0.053	40.300
50	2.500	8.202	42.270	42.286	0.020	2.520	0.047	50.100
51	2.550	8.366	38.680	38.692	0.024	2.000	0.062	37.200
52	2.600	8.530	33.820	33.831	0.023	1.730	0.068	46.700
53	2.650	8.694	30.260	30.270	0.022	1.610	0.073	42.300
54	2.700	8.858	27.270	27.279	0.021	1.370	0.077	45.500
55	2.750	9.022	24.750	24.759	0.022	1.380	0.089	34.400
56	2.800	9.186	21.740	21.749	0.012	1.450	0.055	38.900
57	2.850	9.350	18.940	18.949	0.013	1.390	0.069	38.200
58	2.900	9.514	16.800	16.808	0.011	1.250	0.065	35.900
59	2.950	9.678	15.660	15.668	0.012	1.260	0.077	44.200
60	3.000	9.842	15.370	15.378	0.001	1.280	0.007	46.900
61	3.050	10.006	13.080	13.090	0.002	1.550	0.015	46.000
62	3.100	10.170	9.510	9.520	0.002	1.570	0.021	41.200
63	3.150	10.335	8.650	8.658	0.002	1.330	0.023	51.200
64	3.200	10.499	7.330	7.337	0.002	1.050	0.027	38.400
65	3.250	10.663	6.210	6.220	0.004	1.580	0.064	39.600
66	3.300	10.827	9.820	9.830	0.001	1.550	0.010	51.600
67	3.350	10.991	14.150	14.155	0.008	0.870	0.057	51.000
68	3.400	11.155	15.160	15.168	0.006	1.300	0.040	60.400
69	3.450	11.319	11.490	11.502	0.009	1.960	0.078	55.400
70	3.500	11.483	12.470	12.475	0.008	0.810	0.064	63.100
71	3.550	11.647	8.440	8.447	0.010	1.140	0.118	65.600
72	3.600	11.811	5.850	5.854	0.006	0.710	0.102	65.100
73	3.650	11.975	6.000	6.004	0.008	0.590	0.133	68.600
74	3.700	12.139	3.080	3.086	0.008	0.920	0.259	70.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	9.850	9.870	0.007	3.270	0.071	63.300
76	3.800	12.467	6.710	6.816	0.008	17.000	0.117	76.200
77	3.850	12.631	5.730	5.800	0.009	11.240	0.155	71.000
78	3.900	12.795	2.550	2.633	0.007	13.260	0.266	64.800
79	3.950	12.959	3.450	3.545	0.008	15.150	0.226	63.600
80	4.000	13.123	14.760	14.807	0.007	7.450	0.047	62.700
81	4.050	13.287	5.140	5.185	0.007	7.250	0.135	63.800
82	4.100	13.451	5.210	5.250	0.003	6.400	0.057	63.800
83	4.150	13.615	10.480	10.512	0.077	5.170	0.732	67.600
84	4.200	13.779	7.290	7.312	0.102	3.470	1.395	66.900
85	4.250	13.943	5.490	5.505	0.039	2.400	0.708	91.700
86	4.300	14.107	3.290	3.318	0.019	4.540	0.573	78.000
87	4.350	14.271	3.900	3.963	0.006	10.140	0.151	84.000
88	4.400	14.436	4.060	4.151	0.003	14.570	0.072	82.000
89	4.450	14.600	5.470	5.645	0.000	28.000	0.000	83.800
90	4.500	14.764	7.660	7.839	0.003	28.680	0.038	93.200
91	4.550	14.928	8.360	8.494	0.010	21.480	0.118	86.000
92	4.600	15.092	7.920	8.021	0.032	16.110	0.399	89.600
93	4.650	15.256	7.550	7.625	0.046	12.040	0.603	87.600
94	4.700	15.420	7.040	7.125	0.049	13.640	0.688	98.000
95	4.750	15.584	7.950	8.040	0.064	14.460	0.796	88.700
96	4.800	15.748	10.580	10.664	0.067	13.450	0.628	90.000
97	4.850	15.912	22.580	22.706	0.127	20.210	0.559	82.500
98	4.900	16.076	44.340	44.420	0.296	12.830	0.666	65.400
99	4.950	16.240	49.900	49.917	0.731	2.760	1.464	54.500
100	5.000	16.404	40.030	40.020	0.761	-1.640	1.902	38.600
101	5.050	16.568	29.600	29.670	0.754	11.280	2.541	36.600
102	5.100	16.732	32.490	32.590	0.796	15.950	2.442	36.800
103	5.150	16.896	44.800	44.896	0.922	15.440	2.054	38.400
104	5.200	17.060	30.020	30.074	0.968	8.600	3.219	38.000
105	5.250	17.224	29.750	30.020	0.884	43.220	2.945	50.400
106	5.300	17.388	31.560	31.665	0.793	16.820	2.504	67.100
107	5.350	17.552	20.780	20.892	0.464	17.980	2.221	73.800
108	5.400	17.716	21.150	21.268	0.396	18.840	1.862	75.200
109	5.450	17.880	19.810	20.033	0.434	35.800	2.166	67.900
110	5.500	18.044	16.680	16.810	0.457	20.800	2.719	59.500
111	5.550	18.208	30.570	30.628	0.534	9.330	1.743	53.800
112	5.600	18.372	40.240	40.306	0.597	10.540	1.481	52.900
113	5.650	18.537	94.220	94.283	0.846	10.140	0.897	44.900
114	5.700	18.701	75.060	75.777	1.167	114.890	1.540	38.100
115	5.750	18.865	69.500	69.663	1.234	26.170	1.771	59.600
116	5.800	19.029	16.920	17.057	0.710	21.930	4.163	66.300
117	5.850	19.193	7.380	7.503	0.453	19.660	6.038	79.900
118	5.900	19.357	21.530	21.660	0.457	20.830	2.110	81.500
119	5.950	19.521	46.910	47.005	0.441	15.160	0.938	82.400
120	6.000	19.685	53.730	53.745	0.489	2.380	0.910	79.600
121	6.050	19.849	39.210	39.219	0.572	1.420	1.458	65.000
122	6.100	20.013	31.320	31.320	0.549	-0.060	1.753	41.300
123	6.150	20.177	44.180	44.180	0.699	0.050	1.582	32.700
124	6.200	20.341	33.180	33.194	0.645	2.310	1.943	33.800
125	6.250	20.505	24.540	24.598	0.755	9.270	3.069	23.500
126	6.300	20.669	30.940	31.013	0.828	11.670	2.670	19.800
127	6.350	20.833	26.100	26.165	1.155	10.490	4.414	30.500
128	6.400	20.997	24.880	24.939	0.966	9.380	3.874	18.900
129	6.450	21.161	49.300	49.520	1.132	35.230	2.286	22.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	60.600	60.714	1.089	18.230	1.794	20.200
131	6.550	21.489	12.710	12.755	0.901	7.200	7.064	27.600
132	6.600	21.653	34.230	34.278	0.656	7.660	1.914	34.000
133	6.650	21.817	35.670	35.724	0.327	8.570	0.915	47.300
134	6.700	21.981	23.570	23.611	0.437	6.560	1.851	62.200
135	6.750	22.145	8.970	9.051	0.513	13.010	5.668	64.600
136	6.800	22.309	19.550	19.825	0.490	44.030	2.472	68.000
137	6.850	22.473	40.330	40.413	0.607	13.280	1.502	70.500
138	6.900	22.638	34.970	34.981	0.774	1.820	2.213	84.200
139	6.950	22.802	28.100	28.080	0.780	-3.260	2.778	72.800
140	7.000	22.966	23.590	23.565	0.664	-4.060	2.818	69.000
141	7.050	23.130	20.290	20.280	0.687	-1.550	3.388	63.200
142	7.100	23.294	20.520	20.554	0.566	5.390	2.754	48.300
143	7.150	23.458	21.780	21.818	0.602	6.010	2.759	50.300
144	7.200	23.622	24.310	24.352	0.628	6.800	2.579	34.200
145	7.250	23.786	22.310	22.358	0.712	7.720	3.185	33.000
146	7.300	23.950	22.740	22.799	0.759	9.460	3.329	26.100
147	7.350	24.114	14.540	14.653	0.832	18.040	5.678	0.000
148	7.400	24.278	37.970	38.086	1.256	18.600	3.298	0.000
149	7.450	24.442	25.760	25.792	1.369	5.190	5.308	0.000
150	7.500	24.606	21.020	21.319	1.366	47.950	6.407	0.000
151	7.550	24.770	25.050	25.473	1.205	67.830	4.730	0.000
152	7.600	24.934	21.700	21.801	0.990	16.230	4.541	0.000
153	7.650	25.098	22.340	22.401	0.810	9.750	3.616	0.000
154	7.700	25.262	30.240	30.300	0.735	9.600	2.426	0.000
155	7.750	25.426	24.990	24.977	0.703	-2.080	2.815	0.000
156	7.800	25.590	18.030	18.004	0.873	-4.140	4.849	0.000
157	7.850	25.754	15.480	15.424	0.897	-8.930	5.816	0.000
158	7.900	25.918	13.940	13.895	0.892	-7.260	6.420	0.000
159	7.950	26.082	45.960	45.938	1.451	-3.470	3.159	0.000
160	8.000	26.246	90.720	90.773	1.365	8.460	1.504	0.000
161	8.050	26.410	738.550	738.643	0.000	14.820	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221628
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-14-6
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-22-2013
CPT Time:	10:49
CPT File:	13-53075_GP14-6.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722306.091
Northing / Lat:	4294321.619
Elevation:	143.954
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	20.580	20.620	0.002	6.450	0.010	34.400
2	0.100	0.328	38.720	38.739	0.011	3.030	0.028	39.000
3	0.150	0.492	46.610	46.616	0.021	0.920	0.045	55.200
4	0.200	0.656	46.330	46.405	0.052	11.940	0.112	54.900
5	0.250	0.820	98.960	99.010	0.149	8.000	0.150	63.500
6	0.300	0.984	89.440	89.444	0.217	0.650	0.243	65.000
7	0.350	1.148	48.120	48.132	0.248	1.920	0.515	73.100
8	0.400	1.312	56.660	56.654	0.508	-0.920	0.897	88.700
9	0.450	1.476	65.560	65.572	0.752	1.920	1.147	93.000
10	0.500	1.640	65.310	65.424	0.845	18.330	1.292	92.200
11	0.550	1.804	63.460	63.482	0.840	3.590	1.323	93.800
12	0.600	1.968	63.000	63.007	0.795	1.070	1.262	77.700
13	0.650	2.133	62.160	62.158	1.225	-0.260	1.971	71.700
14	0.700	2.297	77.070	77.064	0.703	-1.020	0.912	73.800
15	0.750	2.461	67.420	67.511	0.563	14.620	0.834	66.100
16	0.800	2.625	90.590	90.743	0.381	24.500	0.420	71.400
17	0.850	2.789	100.260	100.294	1.032	5.470	1.029	82.000
18	0.900	2.953	112.150	112.175	1.107	4.020	0.987	76.100
19	0.950	3.117	90.420	90.446	1.468	4.160	1.623	75.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	85.640	85.645	0.826	0.850	0.964	74.200
21	1.050	3.445	83.840	83.840	0.633	0.060	0.755	71.600
22	1.100	3.609	90.080	90.093	0.568	2.040	0.630	73.000
23	1.150	3.773	74.930	74.948	0.627	2.920	0.837	79.400
24	1.200	3.937	63.570	63.571	0.480	0.220	0.755	75.400
25	1.250	4.101	56.220	56.220	0.359	-0.070	0.639	76.300
26	1.300	4.265	57.020	57.051	0.593	5.000	1.039	77.300
27	1.350	4.429	60.300	60.330	0.507	4.800	0.840	79.600
28	1.400	4.593	51.270	51.315	0.756	7.280	1.473	78.800
29	1.450	4.757	57.370	57.376	1.156	0.890	2.015	76.300
30	1.500	4.921	53.390	53.395	0.567	0.790	1.062	75.400
31	1.550	5.085	37.340	37.363	0.474	3.710	1.269	78.400
32	1.600	5.249	40.310	40.305	0.424	-0.870	1.052	77.400
33	1.650	5.413	38.830	38.874	0.990	7.030	2.547	84.200
34	1.700	5.577	38.420	38.449	1.287	4.720	3.347	72.300
35	1.750	5.741	214.210	214.213	0.977	0.500	0.456	78.900
36	1.800	5.905	272.010	272.069	2.095	9.410	0.770	82.100
37	1.850	6.069	261.520	261.582	2.393	10.010	0.915	91.400
38	1.900	6.234	199.120	199.184	3.053	10.280	1.533	102.400
39	1.950	6.398	124.030	124.057	1.454	4.350	1.172	105.300
40	2.000	6.562	216.540	216.552	1.241	1.860	0.573	101.500
41	2.050	6.726	193.150	193.168	1.308	2.940	0.677	97.100
42	2.100	6.890	254.280	254.329	1.705	7.900	0.670	95.000
43	2.150	7.054	283.560	283.582	0.966	3.460	0.341	95.100
44	2.200	7.218	286.410	286.427	1.297	2.700	0.453	106.500
45	2.250	7.382	265.840	265.842	1.659	0.290	0.624	110.900
46	2.300	7.546	149.470	149.477	1.560	1.110	1.044	99.100
47	2.350	7.710	85.270	85.282	1.967	1.850	2.306	99.800
48	2.400	7.874	55.550	55.541	1.806	-1.490	3.252	95.300
49	2.450	8.038	52.850	52.876	1.581	4.150	2.990	90.400
50	2.500	8.202	31.980	32.064	1.349	13.430	4.207	91.500
51	2.550	8.366	29.770	30.169	1.312	63.970	4.349	0.000
52	2.600	8.530	33.840	34.105	1.026	42.450	3.008	0.000
53	2.650	8.694	27.820	27.898	1.240	12.510	4.445	0.000
54	2.700	8.858	32.880	32.970	1.434	14.460	4.349	0.000
55	2.750	9.022	32.620	32.621	1.430	0.110	4.384	0.000
56	2.800	9.186	27.150	27.147	1.445	-0.500	5.323	0.000
57	2.850	9.350	29.280	29.286	1.425	1.000	4.866	0.000
58	2.900	9.514	22.110	22.085	1.231	-4.060	5.574	0.000
59	2.950	9.678	24.670	24.652	0.943	-2.900	3.825	0.000
60	3.000	9.842	17.980	17.967	0.861	-2.130	4.792	0.000
61	3.050	10.006	20.530	20.603	0.710	11.630	3.446	0.000
62	3.100	10.170	26.120	26.244	1.361	19.900	5.186	0.000
63	3.150	10.335	29.060	29.141	1.686	12.980	5.786	0.000
64	3.200	10.499	125.090	125.186	10.753	15.370	8.590	0.000
65	3.250	10.663	106.350	106.404	0.000	8.650	0.000	0.000
66	3.300	10.827	392.290	392.317	0.000	4.360	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221630
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-14-6S
Cone ID:	226:T1500F15U500
Operator:	DC/YB
CPT Date:	Feb-04-2014
CPT Time:	14:50
CPT File:	13-53075_GP14-6S.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722305.590
Northing / Lat:	4294321.710
Elevation:	144.000
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	2.570	2.566	0.002	-0.690	0.078	28.300
2	0.100	0.328	6.880	6.881	0.008	0.220	0.116	37.500
3	0.150	0.492	7.410	7.410	0.006	0.070	0.081	46.200
4	0.200	0.656	6.940	6.936	0.004	-0.710	0.058	47.200
5	0.250	0.820	5.140	5.136	0.005	-0.600	0.097	55.800
6	0.300	0.984	4.570	4.568	0.001	-0.370	0.022	64.600
7	0.350	1.148	4.080	4.077	0.005	-0.500	0.123	58.200
8	0.400	1.312	4.140	4.139	0.009	-0.230	0.217	72.100
9	0.450	1.476	3.490	3.486	0.009	-0.590	0.258	65.600
10	0.500	1.640	3.200	3.196	0.008	-0.590	0.250	67.400
11	0.550	1.804	3.170	3.167	0.007	-0.550	0.221	64.400
12	0.600	1.968	2.980	2.977	0.009	-0.450	0.302	63.800
13	0.650	2.133	3.120	3.118	0.008	-0.320	0.257	55.800
14	0.700	2.297	3.410	3.408	0.008	-0.280	0.235	59.400
15	0.750	2.461	4.450	4.447	0.006	-0.530	0.135	60.100
16	0.800	2.625	6.140	6.138	0.006	-0.320	0.098	59.600
17	0.850	2.789	7.500	7.499	0.007	-0.210	0.093	53.200
18	0.900	2.953	7.630	7.627	0.008	-0.420	0.105	58.000
19	0.950	3.117	7.790	7.788	0.010	-0.260	0.128	60.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	6.640	6.638	0.009	-0.340	0.136	44.200
21	1.050	3.445	5.160	5.157	0.009	-0.440	0.175	50.800
22	1.100	3.609	4.500	4.497	0.009	-0.550	0.200	62.100
23	1.150	3.773	3.970	3.966	0.009	-0.640	0.227	58.300
24	1.200	3.937	3.640	3.636	0.009	-0.680	0.248	55.500
25	1.250	4.101	4.030	4.027	0.011	-0.480	0.273	74.700
26	1.300	4.265	5.210	5.206	0.019	-0.640	0.365	56.900
27	1.350	4.429	7.700	7.697	0.010	-0.500	0.130	57.900
28	1.400	4.593	10.130	10.127	0.019	-0.510	0.188	47.500
29	1.450	4.757	12.680	12.676	0.016	-0.570	0.126	62.900
30	1.500	4.921	14.760	14.756	0.011	-0.590	0.075	63.700
31	1.550	5.085	14.490	14.487	0.012	-0.430	0.083	73.400
32	1.600	5.249	12.190	12.188	0.013	-0.380	0.107	54.400
33	1.650	5.413	11.480	11.479	0.015	-0.220	0.131	64.000
34	1.700	5.577	9.510	9.509	0.011	-0.200	0.116	55.900
35	1.750	5.741	7.830	7.828	0.013	-0.250	0.166	63.500
36	1.800	5.905	7.140	7.139	0.012	-0.170	0.168	66.500
37	1.850	6.069	7.620	7.618	0.012	-0.250	0.158	68.100
38	1.900	6.234	7.170	7.169	0.013	-0.150	0.181	69.800
39	1.950	6.398	8.040	8.038	0.011	-0.250	0.137	75.100
40	2.000	6.562	8.130	8.129	0.012	-0.130	0.148	79.200
41	2.050	6.726	6.970	6.969	0.012	-0.140	0.172	73.800
42	2.100	6.890	5.510	5.509	0.015	-0.220	0.272	59.500
43	2.150	7.054	5.320	5.319	0.014	-0.200	0.263	71.600
44	2.200	7.218	5.970	5.968	0.011	-0.320	0.184	55.100
45	2.250	7.382	6.960	6.960	0.013	-0.010	0.187	62.600
46	2.300	7.546	9.230	9.230	0.011	-0.050	0.119	62.000
47	2.350	7.710	11.130	11.131	0.012	0.120	0.108	65.400
48	2.400	7.874	14.880	14.879	0.014	-0.100	0.094	62.900
49	2.450	8.038	19.090	19.092	0.023	0.330	0.120	70.300
50	2.500	8.202	21.240	21.243	0.044	0.540	0.207	60.600
51	2.550	8.366	24.210	24.212	0.088	0.380	0.363	58.500
52	2.600	8.530	22.080	22.089	0.117	1.480	0.530	48.300
53	2.650	8.694	21.860	21.870	0.135	1.580	0.617	38.700
54	2.700	8.858	20.220	20.230	0.138	1.590	0.682	41.100
55	2.750	9.022	18.860	18.872	0.123	1.860	0.652	37.100
56	2.800	9.186	17.720	17.732	0.126	1.860	0.711	43.000
57	2.850	9.350	16.270	16.285	0.116	2.420	0.712	55.500
58	2.900	9.514	16.590	16.602	0.112	1.900	0.675	46.000
59	2.950	9.678	16.600	16.616	0.087	2.560	0.524	39.700
60	3.000	9.842	17.120	17.137	0.067	2.690	0.391	38.500
61	3.050	10.006	15.460	15.479	0.057	3.050	0.368	39.400
62	3.100	10.170	14.610	14.631	0.042	3.400	0.287	49.600
63	3.150	10.335	14.060	14.082	0.023	3.520	0.163	37.300
64	3.200	10.499	12.790	12.813	0.013	3.730	0.101	45.900
65	3.250	10.663	10.340	10.366	0.015	4.150	0.145	41.100
66	3.300	10.827	8.150	8.176	0.011	4.170	0.135	50.100
67	3.350	10.991	6.760	6.790	0.010	4.860	0.147	41.900
68	3.400	11.155	4.860	4.893	0.015	5.230	0.307	46.700
69	3.450	11.319	3.490	3.524	0.012	5.450	0.341	37.100
70	3.500	11.483	1.950	1.985	0.013	5.680	0.655	48.900
71	3.550	11.647	2.100	2.136	0.018	5.750	0.843	42.900
72	3.600	11.811	2.500	2.530	0.015	4.810	0.593	56.700
73	3.650	11.975	5.260	5.291	0.049	4.970	0.926	53.100
74	3.700	12.139	10.490	10.522	0.049	5.120	0.466	59.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	14.170	14.198	0.046	4.450	0.324	69.300
76	3.800	12.467	9.170	9.199	0.071	4.680	0.772	68.300
77	3.850	12.631	6.000	6.038	0.080	6.040	1.325	69.800
78	3.900	12.795	4.130	4.168	0.083	6.120	1.991	69.100
79	3.950	12.959	1.920	1.960	0.059	6.420	3.010	61.500
80	4.000	13.123	2.510	2.557	0.016	7.570	0.626	64.400
81	4.050	13.287	3.360	3.412	0.008	8.390	0.234	63.400
82	4.100	13.451	2.940	2.999	0.012	9.530	0.400	73.000
83	4.150	13.615	1.650	1.715	0.004	10.440	0.233	79.200
84	4.200	13.779	1.410	1.517	0.004	17.150	0.264	74.700
85	4.250	13.943	1.340	1.447	0.011	17.200	0.760	81.800
86	4.300	14.107	2.130	2.236	0.012	17.020	0.537	72.000
87	4.350	14.271	2.400	2.509	0.015	17.460	0.598	84.200
88	4.400	14.436	2.970	3.079	0.019	17.430	0.617	81.900
89	4.450	14.600	3.750	3.865	0.035	18.350	0.906	88.900
90	4.500	14.764	3.710	3.839	0.068	20.620	1.771	83.100
91	4.550	14.928	6.780	6.925	0.167	23.240	2.412	105.500
92	4.600	15.092	18.990	19.146	0.239	24.990	1.248	88.100
93	4.650	15.256	16.740	16.830	0.362	14.420	2.151	90.600
94	4.700	15.420	15.450	15.503	0.501	8.460	3.232	96.100
95	4.750	15.584	31.690	31.738	0.734	7.620	2.313	91.300
96	4.800	15.748	47.780	47.807	0.957	4.320	2.002	94.400
97	4.850	15.912	72.540	72.507	1.222	-5.230	1.685	94.000
98	4.900	16.076	74.880	74.811	1.204	-11.060	1.609	76.700
99	4.950	16.240	57.770	57.693	1.013	-12.280	1.756	77.600
100	5.000	16.404	39.800	39.722	0.879	-12.540	2.213	57.900
101	5.050	16.568	26.890	26.810	0.546	-12.860	2.037	57.900
102	5.100	16.732	24.200	24.134	1.010	-10.540	4.185	45.300
103	5.150	16.896	25.200	25.189	0.867	-1.740	3.442	36.200
104	5.200	17.060	25.760	25.768	0.770	1.210	2.988	43.600
105	5.250	17.224	22.090	22.128	0.672	6.110	3.037	35.200
106	5.300	17.388	18.640	18.681	0.684	6.630	3.661	47.600
107	5.350	17.552	23.910	23.972	0.783	9.930	3.266	57.400
108	5.400	17.716	27.800	27.918	0.694	18.970	2.486	58.200
109	5.450	17.880	22.700	22.849	0.724	23.920	3.169	48.800
110	5.500	18.044	24.000	24.103	0.647	16.440	2.684	62.100
111	5.550	18.208	16.880	16.981	0.710	16.120	4.181	58.100
112	5.600	18.372	19.660	19.768	0.643	17.250	3.253	70.800
113	5.650	18.537	14.030	14.154	0.567	19.910	4.006	81.000
114	5.700	18.701	27.350	27.641	0.606	46.620	2.192	90.100
115	5.750	18.865	33.280	33.582	0.830	48.370	2.472	82.700
116	5.800	19.029	33.320	33.557	0.948	37.950	2.825	90.300
117	5.850	19.193	32.130	32.305	0.851	28.050	2.634	78.400
118	5.900	19.357	27.470	27.587	0.705	18.820	2.556	91.800
119	5.950	19.521	13.880	13.966	0.523	13.710	3.745	80.400
120	6.000	19.685	8.830	8.902	0.411	11.490	4.617	69.700
121	6.050	19.849	6.980	7.094	0.319	18.320	4.497	62.600
122	6.100	20.013	10.270	10.392	0.482	19.520	4.638	43.400
123	6.150	20.177	25.860	25.991	0.421	21.020	1.620	48.500
124	6.200	20.341	25.560	25.693	0.956	21.290	3.721	46.000
125	6.250	20.505	101.020	101.147	0.927	20.310	0.916	49.200
126	6.300	20.669	74.510	74.613	0.784	16.570	1.051	51.100
127	6.350	20.833	38.220	38.325	0.788	16.860	2.056	56.900
128	6.400	20.997	27.220	27.310	0.597	14.420	2.186	56.500
129	6.450	21.161	30.910	30.972	0.619	9.880	1.999	46.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	24.110	24.147	0.470	6.000	1.946	39.800
131	6.550	21.489	40.140	40.170	0.795	4.830	1.979	31.100
132	6.600	21.653	55.540	55.601	1.096	9.850	1.971	29.700
133	6.650	21.817	18.710	18.762	1.391	8.290	7.414	27.800
134	6.700	21.981	27.610	27.818	1.363	33.350	4.900	23.100
135	6.750	22.145	48.430	48.558	1.440	20.550	2.966	28.900
136	6.800	22.309	39.920	40.018	1.640	15.640	4.098	29.900
137	6.850	22.473	55.380	55.461	1.581	12.970	2.851	47.800
138	6.900	22.638	60.610	60.716	1.450	16.980	2.388	72.400
139	6.950	22.802	70.160	70.245	1.565	13.650	2.228	78.900
140	7.000	22.966	37.220	37.331	1.476	17.850	3.954	75.900
141	7.050	23.130	55.190	55.327	1.647	21.920	2.977	91.700
142	7.100	23.294	84.980	85.166	2.260	29.760	2.654	97.500
143	7.150	23.458	128.810	128.968	2.761	25.290	2.141	95.700
144	7.200	23.622	182.850	183.000	3.191	23.970	1.744	78.100
145	7.250	23.786	173.920	174.028	3.372	17.280	1.938	76.500
146	7.300	23.950	176.010	176.100	3.172	14.360	1.801	91.200
147	7.350	24.114	162.910	162.971	3.564	9.850	2.187	99.500
148	7.400	24.278	139.580	139.630	3.421	7.970	2.450	99.300
149	7.450	24.442	109.140	109.215	3.074	12.080	2.815	104.700
150	7.500	24.606	87.160	87.241	2.845	12.940	3.261	86.000
151	7.550	24.770	57.850	57.890	2.308	6.370	3.987	74.600
152	7.600	24.934	26.010	26.002	1.605	-1.210	6.172	79.200
153	7.650	25.098	20.730	20.709	1.043	-3.310	5.036	53.400
154	7.700	25.262	31.160	31.165	1.132	0.800	3.632	53.200
155	7.750	25.426	52.700	52.731	1.404	4.980	2.663	48.300
156	7.800	25.590	37.860	37.921	1.413	9.770	3.726	60.100
157	7.850	25.754	38.970	39.034	1.433	10.330	3.671	65.100
158	7.900	25.918	39.890	39.969	1.130	12.580	2.827	76.700
159	7.950	26.082	21.470	21.553	0.936	13.320	4.343	74.000
160	8.000	26.246	29.760	29.855	0.879	15.230	2.944	66.400
161	8.050	26.410	38.220	38.302	1.072	13.100	2.799	57.500
162	8.100	26.574	33.840	33.898	1.220	9.340	3.599	55.500
163	8.150	26.739	37.800	37.837	1.187	5.930	3.137	39.400
164	8.200	26.903	27.450	27.494	1.154	7.080	4.197	35.700
165	8.250	27.067	16.400	16.457	1.059	9.200	6.435	32.600
166	8.300	27.231	14.240	14.303	0.901	10.090	6.299	29.800
167	8.350	27.395	29.820	29.904	0.951	13.500	3.180	32.700
168	8.400	27.559	21.770	21.855	1.127	13.550	5.157	29.800
169	8.450	27.723	28.500	28.581	1.000	12.960	3.499	20.900
170	8.500	27.887	45.780	45.841	0.517	9.720	1.128	23.600
171	8.550	28.051	12.830	12.933	0.746	16.440	5.768	23.900
172	8.600	28.215	29.980	30.347	0.886	58.820	2.920	30.100
173	8.650	28.379	28.200	28.514	0.776	50.350	2.721	25.600
174	8.700	28.543	13.940	14.261	0.646	51.360	4.530	48.800
175	8.750	28.707	12.490	12.669	0.574	28.610	4.531	57.100
176	8.800	28.871	25.310	25.467	0.561	25.180	2.203	65.300
177	8.850	29.035	23.830	23.973	0.753	22.840	3.141	72.100
178	8.900	29.199	43.450	43.599	1.118	23.800	2.564	71.500
179	8.950	29.363	51.590	51.898	1.580	49.340	3.044	81.000
180	9.000	29.527	59.950	60.141	1.930	30.590	3.209	77.700
181	9.050	29.691	57.960	58.032	1.786	11.610	3.078	81.400
182	9.100	29.855	41.230	41.277	1.398	7.590	3.387	79.800
183	9.150	30.019	23.110	23.150	0.959	6.420	4.143	48.100
184	9.200	30.183	25.110	25.109	0.788	-0.210	3.138	40.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	27.800	27.822	1.010	3.560	3.630	33.000
186	9.300	30.511	62.880	62.920	1.904	6.470	3.026	25.800
187	9.350	30.675	97.520	97.568	2.607	7.660	2.672	25.100
188	9.400	30.840	70.740	70.802	3.420	9.990	4.830	22.800
189	9.450	31.004	103.390	103.539	2.521	23.860	2.435	25.300
190	9.500	31.168	13.530	13.640	2.244	17.560	16.452	30.100
191	9.550	31.332	32.930	33.069	1.007	22.230	3.045	35.600
192	9.600	31.496	36.260	36.364	0.758	16.680	2.084	44.300
193	9.650	31.660	22.640	22.735	0.762	15.240	3.352	46.900
194	9.700	31.824	19.910	19.996	0.644	13.810	3.221	58.900
195	9.750	31.988	22.790	22.973	0.621	29.270	2.703	79.100
196	9.800	32.152	23.850	23.912	0.531	9.930	2.221	78.800
197	9.850	32.316	20.350	20.406	0.585	9.030	2.867	73.100
198	9.900	32.480	24.130	24.202	0.803	11.510	3.318	72.500
199	9.950	32.644	31.560	31.647	1.005	13.910	3.176	67.800
200	10.000	32.808	47.750	47.859	1.071	17.510	2.238	70.900
201	10.050	32.972	51.240	51.355	1.102	18.480	2.146	71.800
202	10.100	33.136	54.690	54.832	1.104	22.690	2.013	69.500
203	10.150	33.300	90.370	90.488	1.461	18.960	1.615	87.600
204	10.200	33.464	75.870	75.996	1.473	20.260	1.938	82.500
205	10.250	33.628	70.350	70.496	1.499	23.450	2.126	81.300
206	10.300	33.792	69.570	69.704	1.454	21.500	2.086	71.500
207	10.350	33.956	59.240	59.353	1.348	18.120	2.271	73.500
208	10.400	34.120	54.060	54.154	1.355	15.040	2.502	51.700
209	10.450	34.284	51.960	52.044	1.616	13.380	3.105	41.500
210	10.500	34.448	83.400	83.501	1.749	16.230	2.095	32.500
211	10.550	34.612	68.420	68.534	1.713	18.190	2.500	26.900
212	10.600	34.776	12.460	12.559	1.362	15.860	10.845	19.500
213	10.650	34.941	32.840	32.949	1.035	17.420	3.141	19.100
214	10.700	35.105	29.760	29.868	1.083	17.380	3.626	23.200
215	10.750	35.269	43.220	43.338	1.437	18.900	3.316	21.300
216	10.800	35.433	40.330	40.439	1.315	17.420	3.252	24.900
217	10.850	35.597	25.860	25.977	1.265	18.680	4.870	23.700
218	10.900	35.761	31.930	32.057	1.219	20.310	3.803	17.600
219	10.950	35.925	40.210	40.305	1.232	15.270	3.057	14.400
220	11.000	36.089	29.130	29.225	1.262	15.270	4.318	19.700
221	11.050	36.253	34.270	34.362	1.208	14.720	3.516	17.700
222	11.100	36.417	38.400	38.490	0.915	14.490	2.377	12.200
223	11.150	36.581	34.180	34.281	0.679	16.100	1.981	16.100
224	11.200	36.745	45.280	45.384	0.892	16.700	1.965	15.200
225	11.250	36.909	55.840	55.941	1.270	16.230	2.270	19.800
226	11.300	37.073	47.560	47.672	1.346	17.910	2.823	22.000
227	11.350	37.237	52.940	53.146	1.207	32.940	2.271	24.800
228	11.400	37.401	44.150	44.302	0.903	24.280	2.038	29.400
229	11.450	37.565	75.760	75.859	0.840	15.840	1.107	30.700
230	11.500	37.729	46.810	46.923	1.839	18.150	3.919	40.900
231	11.550	37.893	58.830	58.958	1.904	20.570	3.229	56.300
232	11.600	38.057	128.900	129.020	2.474	19.190	1.918	58.400
233	11.650	38.221	136.100	136.201	3.070	16.120	2.254	49.700
234	11.700	38.385	112.990	113.094	2.859	16.700	2.528	46.100
235	11.750	38.549	160.270	160.411	3.184	22.640	1.985	31.900
236	11.800	38.713	131.080	131.178	3.251	15.770	2.478	28.000
237	11.850	38.877	50.330	50.487	3.293	25.220	6.522	21.300
238	11.900	39.042	29.410	29.607	2.206	31.620	7.451	22.600
239	11.950	39.206	118.480	118.596	3.533	18.570	2.979	19.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	133.710	133.804	4.129	14.980	3.086	13.800
241	12.050	39.534	43.430	43.527	3.746	15.560	8.606	12.700
242	12.100	39.698	42.310	42.400	2.354	14.400	5.552	12.100
243	12.150	39.862	30.380	30.477	1.549	15.470	5.083	17.500
244	12.200	40.026	24.280	24.537	1.394	41.130	5.681	14.800
245	12.250	40.190	61.070	61.250	1.347	28.800	2.199	16.000
246	12.300	40.354	75.720	75.834	2.031	18.310	2.678	16.900
247	12.350	40.518	44.360	44.488	1.553	20.540	3.491	16.700
248	12.400	40.682	15.600	15.713	1.272	18.040	8.095	13.000
249	12.450	40.846	14.430	14.552	0.767	19.530	5.271	19.000
250	12.500	41.010	23.450	23.559	0.418	17.480	1.774	19.900
251	12.550	41.174	20.590	20.694	0.898	16.610	4.339	13.600
252	12.600	41.338	15.590	15.679	1.011	14.190	6.448	16.200
253	12.650	41.502	69.040	69.172	1.034	21.130	1.495	19.700
254	12.700	41.666	57.370	57.483	1.270	18.050	2.209	16.900
255	12.750	41.830	43.790	43.902	1.339	18.000	3.050	28.500
256	12.800	41.994	46.900	47.013	1.704	18.070	3.625	32.000
257	12.850	42.158	76.780	76.892	1.838	17.890	2.390	35.700
258	12.900	42.322	81.560	81.686	2.129	20.230	2.606	29.400
259	12.950	42.486	67.760	67.904	2.258	23.050	3.325	33.800
260	13.000	42.650	41.660	41.879	1.856	35.160	4.432	30.000
261	13.050	42.814	46.930	47.181	1.313	40.260	2.783	23.000
262	13.100	42.978	27.040	27.318	1.019	44.520	3.730	29.400
263	13.150	43.143	17.620	17.942	0.832	51.580	4.637	50.700
264	13.200	43.307	34.540	34.894	0.770	56.780	2.207	57.900
265	13.250	43.471	41.860	42.130	0.880	43.270	2.089	67.000
266	13.300	43.635	35.220	35.372	1.015	24.370	2.869	80.300
267	13.350	43.799	27.870	27.996	1.023	20.110	3.654	59.500
268	13.400	43.963	19.560	19.676	0.858	18.610	4.361	48.900
269	13.450	44.127	16.640	16.762	0.634	19.490	3.782	38.500
270	13.500	44.291	14.480	14.595	0.492	18.400	3.371	31.900
271	13.550	44.455	20.710	20.837	0.302	20.400	1.449	40.500
272	13.600	44.619	32.400	32.527	0.490	20.300	1.506	38.500
273	13.650	44.783	48.690	48.831	0.840	22.550	1.720	30.500
274	13.700	44.947	28.430	28.557	1.014	20.340	3.551	49.300
275	13.750	45.111	23.000	23.121	0.984	19.350	4.256	54.800
276	13.800	45.275	45.650	45.819	1.015	27.090	2.215	63.100
277	13.850	45.439	62.720	62.867	1.129	23.510	1.796	62.800
278	13.900	45.603	88.000	88.144	1.430	23.030	1.622	68.300
279	13.950	45.767	95.620	95.747	1.409	20.280	1.472	64.400
280	14.000	45.931	78.570	78.676	1.498	16.910	1.904	51.000
281	14.050	46.095	62.950	63.045	1.422	15.290	2.256	41.300
282	14.100	46.259	72.070	72.177	1.372	17.170	1.901	33.500
283	14.150	46.423	56.800	56.914	1.507	18.200	2.648	31.000
284	14.200	46.587	50.610	50.729	1.477	19.050	2.912	21.200
285	14.250	46.751	36.590	36.708	1.261	18.980	3.435	18.700
286	14.300	46.915	47.780	47.901	1.441	19.360	3.008	20.900
287	14.350	47.079	52.660	52.786	1.322	20.110	2.504	22.900
288	14.400	47.244	32.570	32.747	1.733	28.290	5.292	13.100
289	14.450	47.408	61.390	61.531	1.404	22.600	2.282	12.800
290	14.500	47.572	31.100	31.222	1.333	19.610	4.269	18.500
291	14.550	47.736	36.320	36.479	1.373	25.430	3.764	16.500
292	14.600	47.900	34.200	34.298	1.521	15.750	4.435	15.000
293	14.650	48.064	30.110	30.235	1.533	20.080	5.070	16.300
294	14.700	48.228	29.510	29.656	1.267	23.430	4.272	13.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	58.190	58.319	1.113	20.740	1.908	17.700
296	14.800	48.556	29.660	29.820	1.133	25.610	3.799	23.000
297	14.850	48.720	37.050	37.190	1.168	22.430	3.141	22.800
298	14.900	48.884	41.620	41.758	1.308	22.130	3.132	26.800
299	14.950	49.048	30.790	30.922	1.353	21.160	4.376	26.700
300	15.000	49.212	30.430	30.574	1.268	23.130	4.147	21.500
301	15.050	49.376	21.940	22.093	1.176	24.470	5.323	26.900
302	15.100	49.540	26.680	26.955	1.033	44.070	3.832	18.500
303	15.150	49.704	17.270	17.620	0.808	56.100	4.586	25.700
304	15.200	49.868	6.360	6.522	0.740	25.970	11.346	31.200
305	15.250	50.032	41.020	41.173	0.860	24.530	2.089	31.200
306	15.300	50.196	48.660	48.830	1.050	27.240	2.150	43.400
307	15.350	50.360	52.620	52.784	1.465	26.200	2.775	51.200
308	15.400	50.524	38.910	39.057	1.531	23.610	3.920	58.200
309	15.450	50.688	34.560	34.725	1.440	26.370	4.147	50.200
310	15.500	50.852	62.510	62.748	1.690	38.090	2.693	67.000
311	15.550	51.016	90.490	90.668	1.718	28.550	1.895	51.700
312	15.600	51.180	70.110	70.187	2.255	12.290	3.213	47.800
313	15.650	51.345	69.700	69.776	2.240	12.140	3.210	34.100
314	15.700	51.509	67.420	67.519	2.434	15.810	3.605	20.300
315	15.750	51.673	66.930	67.087	2.272	25.140	3.387	20.800
316	15.800	51.837	75.760	75.900	2.366	22.450	3.117	15.000
317	15.850	52.001	97.310	97.436	2.792	20.200	2.865	15.100
318	15.900	52.165	53.780	53.914	3.322	21.440	6.162	13.600
319	15.950	52.329	55.820	55.980	2.408	25.560	4.302	13.900
320	16.000	52.493	113.780	113.934	2.919	24.660	2.562	16.600
321	16.050	52.657	134.760	134.891	2.932	20.920	2.174	9.900
322	16.100	52.821	70.150	70.323	2.763	27.740	3.929	12.600
323	16.150	52.985	72.630	72.783	1.917	24.450	2.634	13.900
324	16.200	53.149	61.900	62.053	1.328	24.570	2.140	15.400
325	16.250	53.313	44.700	44.853	1.147	24.490	2.557	14.900
326	16.300	53.477	50.280	50.434	1.262	24.700	2.502	29.200
327	16.350	53.641	46.300	46.441	1.673	22.620	3.602	27.000
328	16.400	53.805	68.910	69.071	2.007	25.710	2.906	31.000
329	16.450	53.969	61.480	61.644	2.388	26.230	3.874	42.200
330	16.500	54.133	44.650	44.816	1.843	26.620	4.112	66.900
331	16.550	54.297	31.940	32.118	1.493	28.500	4.648	65.000
332	16.600	54.461	35.810	36.176	0.856	58.550	2.366	69.900
333	16.650	54.625	25.130	25.562	0.681	69.130	2.664	77.500
334	16.700	54.789	24.430	24.915	0.622	77.630	2.497	81.800
335	16.750	54.953	27.290	27.817	0.632	84.420	2.272	84.900
336	16.800	55.117	29.610	30.130	0.677	83.300	2.247	75.300
337	16.850	55.281	28.280	28.772	0.719	78.810	2.499	75.600
338	16.900	55.446	32.900	33.437	0.803	86.070	2.402	66.200
339	16.950	55.610	40.850	41.301	0.947	72.250	2.293	54.100
340	17.000	55.774	40.770	40.934	1.170	26.300	2.858	60.000
341	17.050	55.938	59.270	59.460	1.083	30.370	1.821	45.600
342	17.100	56.102	47.280	47.443	1.225	26.070	2.582	42.000
343	17.150	56.266	56.570	56.714	1.310	23.030	2.310	51.100
344	17.200	56.430	30.260	30.422	1.103	25.970	3.626	51.600
345	17.250	56.594	25.820	26.059	1.125	38.300	4.317	67.700
346	17.300	56.758	38.370	38.634	0.879	42.270	2.275	87.200
347	17.350	56.922	44.800	45.021	1.014	35.480	2.252	88.300
348	17.400	57.086	38.510	38.663	1.021	24.540	2.641	83.100
349	17.450	57.250	35.310	35.465	1.218	24.850	3.434	96.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
350	17.500	57.414	33.310	33.473	1.103	26.050	3.295	84.200
351	17.550	57.578	30.230	30.401	1.304	27.390	4.289	92.100
352	17.600	57.742	39.600	39.819	1.221	35.070	3.066	76.200
353	17.650	57.906	44.780	45.008	1.529	36.550	3.397	62.400
354	17.700	58.070	38.600	38.785	1.776	29.590	4.579	48.900
355	17.750	58.234	49.950	50.121	2.098	27.390	4.186	35.400
356	17.800	58.398	63.880	64.048	2.033	26.890	3.174	26.300
357	17.850	58.562	108.880	109.034	2.148	24.670	1.970	22.600
358	17.900	58.726	113.090	113.242	2.859	24.350	2.525	18.000
359	17.950	58.890	140.400	140.594	3.304	31.070	2.350	14.100
360	18.000	59.054	88.530	88.719	3.538	30.200	3.988	12.300
361	18.050	59.218	93.840	94.008	2.776	26.930	2.953	9.600
362	18.100	59.382	117.170	117.346	2.545	28.150	2.169	11.000
363	18.150	59.547	77.240	77.440	2.680	32.050	3.461	14.100
364	18.200	59.711	69.730	69.967	2.647	37.910	3.783	9.500
365	18.250	59.875	56.440	56.685	2.379	39.260	4.197	8.500
366	18.300	60.039	84.860	85.268	2.797	65.290	3.280	15.100
367	18.350	60.203	90.450	90.719	3.117	43.090	3.436	15.500
368	18.400	60.367	124.500	124.748	3.160	39.680	2.533	17.600
369	18.450	60.531	117.840	118.059	3.609	35.040	3.057	16.000
370	18.500	60.695	71.580	71.801	3.931	35.330	5.475	20.800
371	18.550	60.859	55.990	56.199	2.878	33.440	5.121	27.300
372	18.600	61.023	44.020	44.287	2.231	42.760	5.038	31.600
373	18.650	61.187	48.020	48.227	1.985	33.220	4.116	43.000
374	18.700	61.351	91.900	92.213	2.155	50.160	2.337	53.800
375	18.750	61.515	51.930	52.123	1.849	30.970	3.547	57.500
376	18.800	61.679	32.220	32.449	1.421	36.730	4.379	62.100
377	18.850	61.843	24.860	25.096	0.925	37.820	3.686	54.500
378	18.900	62.007	33.600	33.823	0.924	35.650	2.732	51.100
379	18.950	62.171	31.480	31.674	0.717	31.120	2.264	45.100
380	19.000	62.335	32.380	32.568	1.014	30.060	3.114	48.200
381	19.050	62.499	45.230	45.466	0.935	37.740	2.056	47.700
382	19.100	62.663	42.020	42.229	1.248	33.470	2.955	56.000
383	19.150	62.827	38.810	39.008	1.423	31.790	3.648	65.900
384	19.200	62.991	35.690	35.932	1.266	38.690	3.523	62.400
385	19.250	63.155	59.240	59.493	1.654	40.550	2.780	85.100
386	19.300	63.319	61.320	61.522	1.966	32.420	3.196	79.900
387	19.350	63.483	71.730	71.926	1.915	31.450	2.662	81.900
388	19.400	63.648	66.040	66.231	1.860	30.660	2.808	76.700
389	19.450	63.812	58.610	58.803	1.790	30.960	3.044	77.800
390	19.500	63.976	45.880	46.063	1.459	29.360	3.167	86.200
391	19.550	64.140	32.510	32.686	1.165	28.180	3.564	66.800
392	19.600	64.304	20.730	20.961	0.933	37.020	4.451	49.000
393	19.650	64.468	28.650	28.910	0.532	41.680	1.840	43.100
394	19.700	64.632	39.720	39.913	0.557	30.870	1.396	33.400
395	19.750	64.796	13.910	14.097	0.674	30.020	4.781	30.200
396	19.800	64.960	23.050	23.223	1.010	27.740	4.349	20.300
397	19.850	65.124	31.060	31.252	1.284	30.830	4.108	16.000
398	19.900	65.288	71.550	71.746	1.569	31.330	2.187	15.100
399	19.950	65.452	55.570	55.753	1.753	29.330	3.144	12.100
400	20.000	65.616	81.870	82.100	1.922	36.780	2.341	11.000
401	20.050	65.780	70.170	70.338	2.445	26.930	3.476	12.000
402	20.100	65.944	86.320	86.495	2.408	28.090	2.784	13.500
403	20.150	66.108	62.630	62.819	2.505	30.280	3.988	14.900
404	20.200	66.272	62.320	62.513	2.201	30.970	3.521	13.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
405	20.250	66.436	42.660	42.855	2.013	31.200	4.697	14.200
406	20.300	66.600	40.210	40.473	1.997	42.160	4.934	15.900
407	20.350	66.764	43.880	44.128	2.123	39.690	4.811	8.000
408	20.400	66.928	37.590	37.815	2.573	36.070	6.804	14.500
409	20.450	67.092	82.440	82.681	2.970	38.540	3.592	16.200
410	20.500	67.256	150.100	150.292	4.410	30.820	2.934	22.300
411	20.550	67.420	111.830	112.095	3.185	42.440	2.841	26.000
412	20.600	67.584	117.370	117.615	2.291	39.230	1.948	34.000
413	20.650	67.749	186.780	186.986	1.371	33.010	0.733	37.900
414	20.700	67.913	204.170	204.373	1.069	32.470	0.523	47.900
415	20.750	68.077	154.740	154.938	1.761	31.720	1.137	45.700
416	20.800	68.241	90.670	90.862	1.997	30.780	2.198	55.400
417	20.850	68.405	64.910	65.121	2.063	33.830	3.168	62.700
418	20.900	68.569	75.410	75.815	2.395	64.910	3.159	67.600
419	20.950	68.733	111.970	112.539	2.934	91.080	2.607	73.300
420	21.000	68.897	104.060	104.396	3.377	53.840	3.235	64.400
421	21.050	69.061	73.730	74.011	3.117	44.950	4.212	59.700
422	21.100	69.225	42.560	42.880	2.306	51.300	5.378	51.100
423	21.150	69.389	87.440	87.810	2.022	59.280	2.303	50.700
424	21.200	69.553	58.870	59.154	1.706	45.550	2.884	62.600
425	21.250	69.717	45.760	46.084	1.607	51.940	3.487	67.400
426	21.300	69.881	37.600	38.100	1.194	80.110	3.134	66.800
427	21.350	70.045	41.300	41.900	0.993	96.040	2.370	61.800
428	21.400	70.209	51.220	52.051	1.239	133.100	2.380	58.600
429	21.450	70.373	65.370	66.048	2.512	108.610	3.803	48.600
430	21.500	70.537	53.560	53.990	3.084	68.910	5.712	30.400
431	21.550	70.701	166.340	166.693	3.028	56.620	1.817	32.400
432	21.600	70.865	156.400	156.898	3.407	79.820	2.171	30.300
433	21.650	71.029	136.760	137.100	4.005	54.540	2.921	30.500
434	21.700	71.193	68.970	69.263	3.814	46.860	5.507	30.300
435	21.750	71.357	82.930	83.458	3.562	84.570	4.268	29.400
436	21.800	71.521	80.180	80.678	3.335	79.850	4.134	30.900
437	21.850	71.685	67.410	68.732	3.245	211.780	4.721	41.400
438	21.900	71.850	86.140	88.396	3.071	361.390	3.474	49.100
439	21.950	72.014	62.530	63.011	2.844	77.050	4.513	48.000
440	22.000	72.178	56.950	57.326	3.059	60.180	5.336	53.300
441	22.050	72.342	82.250	82.606	3.002	57.030	3.634	55.700
442	22.100	72.506	123.170	123.500	2.860	52.880	2.316	51.200
443	22.150	72.670	142.480	142.790	2.537	49.720	1.777	54.800
444	22.200	72.834	101.620	101.912	2.288	46.830	2.245	61.000
445	22.250	72.998	63.800	64.065	1.764	42.400	2.753	65.500
446	22.300	73.162	35.650	35.900	1.374	40.050	3.827	69.800
447	22.350	73.326	22.190	22.452	1.038	41.950	4.623	69.900
448	22.400	73.490	23.590	23.860	0.711	43.240	2.980	75.300
449	22.450	73.654	23.510	23.786	0.745	44.290	3.132	0.000
450	22.500	73.818	18.580	18.863	0.872	45.340	4.623	0.000
451	22.550	73.982	20.430	20.713	0.898	45.360	4.335	0.000
452	22.600	74.146	49.440	49.754	0.841	50.360	1.690	0.000
453	22.650	74.310	52.950	53.270	1.940	51.300	3.642	0.000
454	22.700	74.474	84.830	85.126	2.315	47.440	2.719	0.000
455	22.750	74.638	100.800	100.986	3.009	29.760	2.980	0.000
456	22.800	74.802	131.490	131.768	3.230	44.520	2.451	0.000
457	22.850	74.966	117.790	118.062	3.279	43.610	2.777	0.000
458	22.900	75.130	139.500	139.764	3.324	42.310	2.378	0.000
459	22.950	75.294	93.890	94.148	3.276	41.310	3.480	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
460	23.000	75.458	82.270	82.564	3.316	47.020	4.016	0.000
461	23.050	75.622	86.120	86.552	2.916	69.250	3.369	0.000
462	23.100	75.786	74.000	74.650	3.969	104.200	5.317	0.000
463	23.150	75.951	73.920	76.612	0.000	431.180	0.000	0.000
464	23.200	76.115	124.860	126.260	0.000	224.280	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221632
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-14-7
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-22-2013
CPT Time:	11:16
CPT File:	13-53075_GP14-7.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722318.578
Northing / Lat:	4294307.217
Elevation:	144.096
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	0.300	0.301	0.011	0.130	3.657	22.300
2	0.100	0.328	5.910	5.918	0.012	1.300	0.203	0.000
3	0.150	0.492	12.870	12.883	0.022	2.080	0.171	0.000
4	0.200	0.656	17.540	17.547	0.091	1.170	0.519	0.000
5	0.250	0.820	34.040	34.053	0.132	2.110	0.388	0.000
6	0.300	0.984	55.160	55.181	0.104	3.400	0.188	0.000
7	0.350	1.148	32.310	32.317	0.114	1.150	0.353	0.000
8	0.400	1.312	36.940	36.948	0.294	1.210	0.796	0.000
9	0.450	1.476	42.330	42.336	1.277	0.900	3.016	0.000
10	0.500	1.640	50.010	50.019	1.252	1.510	2.503	0.000
11	0.550	1.804	72.110	72.125	1.211	2.340	1.679	0.000
12	0.600	1.968	89.390	89.400	1.574	1.530	1.761	0.000
13	0.650	2.133	153.100	153.142	2.701	6.780	1.764	0.000
14	0.700	2.297	203.080	203.071	5.844	-1.500	2.878	0.000
15	0.750	2.461	283.030	283.041	4.899	1.720	1.731	0.000
16	0.800	2.625	497.890	497.893	0.000	0.410	0.000	0.000
17	0.850	2.789	518.520	518.523	0.000	0.450	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221633
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-15-1
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-23-2013
CPT Time:	15:20
CPT File:	13-53075_GP15-1.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722287.356
Northing / Lat:	4294408.072
Elevation:	138.213
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	10.670	10.719	0.002	7.810	0.019	44.200
2	0.100	0.328	14.140	14.150	0.000	1.610	0.000	56.700
3	0.150	0.492	19.170	19.180	0.087	1.540	0.454	62.100
4	0.200	0.656	38.600	38.620	0.135	3.190	0.350	76.900
5	0.250	0.820	16.030	16.052	0.276	3.560	1.719	83.100
6	0.300	0.984	16.610	16.602	0.352	-1.250	2.120	74.800
7	0.350	1.148	14.540	14.578	0.428	6.040	2.936	93.400
8	0.400	1.312	19.810	19.807	0.590	-0.560	2.979	90.300
9	0.450	1.476	28.500	28.502	0.659	0.390	2.312	94.300
10	0.500	1.640	49.680	49.663	0.581	-2.720	1.170	83.800
11	0.550	1.804	68.800	68.802	0.711	0.350	1.033	110.100
12	0.600	1.968	88.500	88.506	0.848	0.930	0.958	99.400
13	0.650	2.133	106.780	106.780	1.188	0.070	1.113	105.200
14	0.700	2.297	104.720	104.726	1.510	1.020	1.442	98.700
15	0.750	2.461	106.470	106.471	1.940	0.090	1.822	99.600
16	0.800	2.625	101.940	101.937	2.154	-0.440	2.113	115.300
17	0.850	2.789	90.220	90.220	2.252	0.030	2.496	114.600
18	0.900	2.953	83.670	83.661	2.128	-1.380	2.544	116.400
19	0.950	3.117	78.880	78.869	1.881	-1.730	2.385	98.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	64.840	64.833	2.071	-1.130	3.194	89.400
21	1.050	3.445	48.200	48.191	2.021	-1.410	4.194	88.100
22	1.100	3.609	36.760	36.758	1.787	-0.330	4.862	95.500
23	1.150	3.773	35.180	35.184	1.493	0.690	4.243	93.900
24	1.200	3.937	41.140	41.168	1.392	4.480	3.381	106.500
25	1.250	4.101	51.630	51.641	1.315	1.720	2.546	101.200
26	1.300	4.265	44.050	44.000	1.344	-8.030	3.055	111.200
27	1.350	4.429	43.580	43.528	1.235	-8.290	2.837	94.200
28	1.400	4.593	43.620	43.569	1.224	-8.140	2.809	103.500
29	1.450	4.757	41.020	40.988	1.141	-5.080	2.784	93.100
30	1.500	4.921	35.490	35.440	1.016	-8.070	2.867	106.100
31	1.550	5.085	29.910	29.844	0.914	-10.560	3.063	105.300
32	1.600	5.249	24.810	24.740	0.805	-11.290	3.254	105.900
33	1.650	5.413	24.150	24.082	0.765	-10.880	3.177	108.000
34	1.700	5.577	24.870	24.827	0.803	-6.900	3.234	107.600
35	1.750	5.741	25.690	25.662	0.871	-4.510	3.394	100.500
36	1.800	5.905	25.410	25.369	0.901	-6.590	3.552	107.000
37	1.850	6.069	24.880	24.836	0.903	-7.100	3.636	97.300
38	1.900	6.234	24.570	24.521	0.861	-7.790	3.511	94.800
39	1.950	6.398	22.830	22.777	0.797	-8.500	3.499	100.200
40	2.000	6.562	21.140	21.082	0.747	-9.350	3.543	111.500
41	2.050	6.726	20.240	20.178	0.706	-9.910	3.499	81.700
42	2.100	6.890	19.780	19.714	0.680	-10.560	3.449	100.300
43	2.150	7.054	20.780	20.715	0.714	-10.390	3.447	100.000
44	2.200	7.218	21.320	21.257	0.703	-10.040	3.307	95.600
45	2.250	7.382	21.080	21.028	0.730	-8.360	3.472	106.600
46	2.300	7.546	20.560	20.543	0.701	-2.720	3.412	91.300
47	2.350	7.710	18.100	18.095	0.712	-0.750	3.935	97.100
48	2.400	7.874	19.750	19.734	0.673	-2.640	3.410	96.400
49	2.450	8.038	22.220	22.215	0.696	-0.770	3.133	103.200
50	2.500	8.202	25.580	25.557	0.696	-3.660	2.723	116.000
51	2.550	8.366	22.170	22.136	0.694	-5.460	3.135	112.900
52	2.600	8.530	19.260	19.209	0.663	-8.200	3.452	96.600
53	2.650	8.694	17.740	17.689	0.648	-8.090	3.663	104.400
54	2.700	8.858	17.910	17.860	0.597	-7.950	3.343	97.600
55	2.750	9.022	17.290	17.249	0.561	-6.570	3.252	83.900
56	2.800	9.186	16.510	16.470	0.569	-6.360	3.455	93.900
57	2.850	9.350	15.050	15.009	0.538	-6.620	3.585	102.000
58	2.900	9.514	14.560	14.513	0.581	-7.500	4.003	87.000
59	2.950	9.678	13.710	13.668	0.495	-6.710	3.622	108.000
60	3.000	9.842	12.240	12.207	0.461	-5.250	3.776	95.300
61	3.050	10.006	12.600	12.563	0.456	-5.900	3.630	99.200
62	3.100	10.170	11.970	11.935	0.441	-5.540	3.695	92.300
63	3.150	10.335	10.400	10.381	0.392	-3.020	3.776	89.400
64	3.200	10.499	10.700	10.729	0.325	4.600	3.029	97.800
65	3.250	10.663	11.690	11.730	0.342	6.330	2.916	110.600
66	3.300	10.827	11.940	11.944	0.376	0.580	3.148	88.200
67	3.350	10.991	11.160	11.187	0.367	4.360	3.281	112.200
68	3.400	11.155	9.670	9.690	0.341	3.220	3.519	111.400
69	3.450	11.319	11.340	11.383	0.322	6.830	2.829	99.100
70	3.500	11.483	10.040	10.036	0.273	-0.630	2.720	102.300
71	3.550	11.647	9.620	9.608	0.288	-1.990	2.998	97.600
72	3.600	11.811	9.560	9.573	0.264	2.120	2.758	97.900
73	3.650	11.975	12.350	12.350	0.302	-0.060	2.445	96.100
74	3.700	12.139	16.570	16.585	0.349	2.430	2.104	106.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	19.110	19.091	0.432	-3.120	2.263	108.500
76	3.800	12.467	17.930	17.891	0.532	-6.260	2.974	101.200
77	3.850	12.631	16.650	16.584	0.568	-10.590	3.425	97.000
78	3.900	12.795	18.710	18.633	0.568	-12.350	3.048	117.200
79	3.950	12.959	17.540	17.460	0.515	-12.770	2.950	96.900
80	4.000	13.123	17.880	17.803	0.548	-12.280	3.078	106.100
81	4.050	13.287	19.980	19.915	0.575	-10.470	2.887	112.900
82	4.100	13.451	20.830	20.768	0.629	-9.890	3.029	91.900
83	4.150	13.615	20.750	20.684	0.699	-10.500	3.379	105.900
84	4.200	13.779	20.120	20.051	0.658	-11.110	3.282	98.200
85	4.250	13.943	17.770	17.698	0.484	-11.590	2.735	91.000
86	4.300	14.107	13.050	12.960	0.331	-14.470	2.554	98.300
87	4.350	14.271	10.080	9.997	0.193	-13.310	1.931	86.300
88	4.400	14.436	8.510	8.433	0.154	-12.300	1.826	87.400
89	4.450	14.600	8.470	8.427	0.132	-6.830	1.566	85.200
90	4.500	14.764	7.810	7.769	0.112	-6.630	1.442	88.200
91	4.550	14.928	6.990	6.951	0.085	-6.280	1.223	91.100
92	4.600	15.092	6.260	6.223	0.076	-6.000	1.221	89.400
93	4.650	15.256	6.480	6.447	0.074	-5.280	1.148	93.000
94	4.700	15.420	7.370	7.342	0.094	-4.420	1.280	90.300
95	4.750	15.584	7.980	7.955	0.114	-3.980	1.433	82.800
96	4.800	15.748	9.150	9.131	0.168	-3.100	1.840	85.700
97	4.850	15.912	11.320	11.316	0.147	-0.580	1.299	86.000
98	4.900	16.076	19.520	19.492	0.235	-4.420	1.206	80.000
99	4.950	16.240	16.530	16.489	0.392	-6.490	2.377	88.700
100	5.000	16.404	17.770	17.734	0.408	-5.830	2.301	102.600
101	5.050	16.568	13.030	13.000	0.433	-4.780	3.331	89.500
102	5.100	16.732	15.200	15.175	0.437	-4.040	2.880	99.600
103	5.150	16.896	17.850	17.829	0.495	-3.330	2.776	88.900
104	5.200	17.060	18.010	17.989	0.484	-3.290	2.690	97.100
105	5.250	17.224	16.270	16.251	0.434	-3.120	2.671	108.800
106	5.300	17.388	14.910	14.900	0.401	-1.550	2.691	100.300
107	5.350	17.552	13.520	13.514	0.385	-0.990	2.849	92.700
108	5.400	17.716	12.500	12.493	0.353	-1.160	2.826	109.600
109	5.450	17.880	12.160	12.180	0.298	3.250	2.447	110.200
110	5.500	18.044	11.450	11.468	0.267	2.870	2.328	101.800
111	5.550	18.208	10.270	10.289	0.246	3.030	2.391	93.700
112	5.600	18.372	10.480	10.501	0.256	3.400	2.438	89.500
113	5.650	18.537	11.990	12.020	0.278	4.780	2.313	86.500
114	5.700	18.701	11.960	11.997	0.361	5.880	3.009	83.600
115	5.750	18.865	12.800	12.828	0.476	4.560	3.710	83.900
116	5.800	19.029	16.700	16.740	0.469	6.330	2.802	61.800
117	5.850	19.193	28.600	28.672	0.777	11.550	2.710	47.800
118	5.900	19.357	42.800	42.834	0.931	5.430	2.174	48.100
119	5.950	19.521	43.420	43.573	0.986	24.470	2.263	62.300
120	6.000	19.685	41.200	41.249	0.816	7.860	1.978	55.400
121	6.050	19.849	25.900	25.900	0.532	-0.040	2.054	55.000
122	6.100	20.013	10.630	10.646	0.374	2.510	3.513	60.400
123	6.150	20.177	5.730	5.729	0.567	-0.180	9.897	60.600
124	6.200	20.341	14.380	14.414	1.193	5.480	8.277	199.000
125	6.250	20.505	49.490	49.551	1.132	9.840	2.284	67.500
126	6.300	20.669	21.380	21.408	1.021	4.450	4.769	83.500
127	6.350	20.833	16.130	16.136	0.403	0.950	2.498	67.000
128	6.400	20.997	12.190	12.190	0.212	-0.020	1.739	72.800
129	6.450	21.161	9.940	9.938	0.172	-0.300	1.731	70.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	7.740	7.706	0.141	-5.400	1.830	83.300
131	6.550	21.489	8.010	7.969	0.088	-6.580	1.104	86.400
132	6.600	21.653	7.630	7.580	0.064	-7.940	0.844	77.900
133	6.650	21.817	7.420	7.368	0.080	-8.400	1.086	77.500
134	6.700	21.981	8.060	8.005	0.065	-8.820	0.812	79.900
135	6.750	22.145	11.950	11.901	0.086	-7.910	0.723	70.300
136	6.800	22.309	11.530	11.483	0.139	-7.560	1.211	78.300
137	6.850	22.473	10.510	10.471	0.164	-6.300	1.566	68.800
138	6.900	22.638	9.590	9.558	0.155	-5.110	1.622	71.400
139	6.950	22.802	7.650	7.615	0.150	-5.610	1.970	61.700
140	7.000	22.966	6.510	6.475	0.114	-5.620	1.761	56.100
141	7.050	23.130	15.990	15.966	0.173	-3.910	1.084	59.200
142	7.100	23.294	10.990	10.970	0.128	-3.210	1.167	50.600
143	7.150	23.458	1.760	1.699	0.102	-9.810	6.004	57.300
144	7.200	23.622	1.700	1.698	0.046	-0.300	2.709	60.000
145	7.250	23.786	3.170	3.171	0.067	0.120	2.113	61.100
146	7.300	23.950	17.440	17.450	0.133	1.680	0.762	56.700
147	7.350	24.114	26.300	26.307	0.167	1.160	0.635	63.600
148	7.400	24.278	36.490	36.507	0.226	2.760	0.619	66.900
149	7.450	24.442	45.980	45.995	0.296	2.410	0.644	68.400
150	7.500	24.606	51.380	51.394	0.423	2.300	0.823	73.000
151	7.550	24.770	54.960	54.977	0.534	2.720	0.971	76.000
152	7.600	24.934	55.470	55.488	0.621	2.900	1.119	76.400
153	7.650	25.098	51.600	51.618	0.689	2.890	1.335	71.000
154	7.700	25.262	44.830	44.847	0.697	2.760	1.554	75.000
155	7.750	25.426	36.050	36.065	0.655	2.390	1.816	74.700
156	7.800	25.590	27.430	27.445	0.588	2.450	2.142	74.800
157	7.850	25.754	24.120	24.140	0.490	3.270	2.030	78.200
158	7.900	25.918	27.950	27.977	0.383	4.400	1.369	80.500
159	7.950	26.082	39.980	39.989	0.344	1.420	0.860	79.500
160	8.000	26.246	43.880	43.871	0.373	-1.480	0.850	78.000
161	8.050	26.410	49.110	49.097	0.341	-2.160	0.695	75.800
162	8.100	26.574	52.740	52.717	0.377	-3.650	0.715	74.700
163	8.150	26.739	51.750	51.716	0.451	-5.520	0.872	81.900
164	8.200	26.903	49.350	49.316	0.534	-5.460	1.083	76.300
165	8.250	27.067	47.870	47.841	0.539	-4.700	1.127	80.200
166	8.300	27.231	47.900	47.874	0.528	-4.120	1.103	68.700
167	8.350	27.395	52.180	52.151	0.368	-4.620	0.706	74.100
168	8.400	27.559	68.160	68.127	0.398	-5.310	0.584	72.600
169	8.450	27.723	87.710	87.688	0.569	-3.550	0.649	52.800
170	8.500	27.887	80.020	79.979	0.869	-6.540	1.087	53.400
171	8.550	28.051	81.460	81.429	0.885	-5.020	1.087	55.400
172	8.600	28.215	81.480	81.467	0.998	-2.110	1.225	48.300
173	8.650	28.379	112.760	112.780	0.980	3.200	0.869	44.800
174	8.700	28.543	135.610	135.626	1.053	2.500	0.776	37.900
175	8.750	28.707	152.270	152.295	1.188	3.970	0.780	40.300
176	8.800	28.871	163.210	163.241	1.275	4.940	0.781	41.500
177	8.850	29.035	171.150	171.183	1.430	5.290	0.835	33.200
178	8.900	29.199	173.050	173.085	1.521	5.670	0.879	47.900
179	8.950	29.363	177.200	177.239	1.526	6.200	0.861	45.400
180	9.000	29.527	193.500	193.542	1.519	6.800	0.785	46.000
181	9.050	29.691	206.080	206.128	1.615	7.620	0.783	43.900
182	9.100	29.855	198.560	198.605	1.696	7.240	0.854	41.700
183	9.150	30.019	200.100	200.150	1.722	7.990	0.860	38.800
184	9.200	30.183	219.860	219.914	1.763	8.680	0.802	57.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	221.070	221.126	1.833	8.900	0.829	42.900
186	9.300	30.511	219.850	219.906	1.913	8.970	0.870	45.200
187	9.350	30.675	220.550	220.605	1.521	8.880	0.689	40.500
188	9.400	30.840	217.880	217.939	1.757	9.470	0.806	45.900
189	9.450	31.004	205.070	205.124	2.071	8.720	1.010	48.100
190	9.500	31.168	202.650	202.711	2.172	9.810	1.071	47.500
191	9.550	31.332	266.340	266.412	2.253	11.580	0.846	46.900
192	9.600	31.496	281.970	282.034	2.342	10.330	0.830	49.500
193	9.650	31.660	276.390	276.432	2.570	6.730	0.930	48.000
194	9.700	31.824	259.270	259.299	2.608	4.600	1.006	47.200
195	9.750	31.988	226.620	226.644	2.566	3.840	1.132	44.200
196	9.800	32.152	195.240	195.276	2.459	5.760	1.259	42.800
197	9.850	32.316	163.880	163.927	2.222	7.570	1.355	57.700
198	9.900	32.480	141.690	141.740	1.912	8.050	1.349	56.300
199	9.950	32.644	129.900	129.954	1.567	8.660	1.206	53.500
200	10.000	32.808	126.250	126.307	1.341	9.080	1.062	53.900
201	10.050	32.972	128.680	128.736	1.202	9.010	0.934	52.700
202	10.100	33.136	134.720	134.779	1.115	9.520	0.827	0.000
203	10.150	33.300	142.870	142.932	1.135	9.990	0.794	0.000
204	10.200	33.464	154.550	154.614	1.154	10.190	0.746	0.000
205	10.250	33.628	154.880	154.942	1.241	9.930	0.801	0.000
206	10.300	33.792	131.440	131.495	1.280	8.790	0.973	0.000
207	10.350	33.956	101.360	101.415	1.083	8.750	1.068	0.000
208	10.400	34.120	85.380	85.433	0.989	8.540	1.158	0.000
209	10.450	34.284	77.480	77.541	0.886	9.760	1.143	0.000
210	10.500	34.448	79.320	79.385	0.877	10.390	1.105	0.000
211	10.550	34.612	84.450	84.459	0.783	1.500	0.927	0.000
212	10.600	34.776	93.810	93.776	0.790	-5.490	0.842	0.000
213	10.650	34.941	113.250	113.215	1.079	-5.680	0.953	0.000
214	10.700	35.105	149.320	149.275	1.490	-7.210	0.998	0.000
215	10.750	35.269	208.680	208.648	1.652	-5.090	0.792	0.000
216	10.800	35.433	392.040	392.070	0.000	4.830	0.000	0.000
217	10.850	35.597	412.340	412.383	0.000	6.850	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221635
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-15-2
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-23-2013
CPT Time:	08:14
CPT File:	13-53075_GP15-2.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722291.096
Northing / Lat:	4294382.161
Elevation:	145.376
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	18.870	18.930	0.004	9.690	0.021	28.200
2	0.100	0.328	28.210	28.230	0.006	3.220	0.021	36.500
3	0.150	0.492	55.430	55.455	0.108	3.980	0.195	38.000
4	0.200	0.656	74.150	74.168	0.244	2.900	0.329	45.300
5	0.250	0.820	75.270	75.289	0.664	3.080	0.882	51.700
6	0.300	0.984	80.300	80.316	1.068	2.500	1.330	52.600
7	0.350	1.148	109.930	109.995	1.070	10.440	0.973	45.200
8	0.400	1.312	327.390	327.390	0.747	0.020	0.228	47.100
9	0.450	1.476	289.840	289.842	2.281	0.280	0.787	47.200
10	0.500	1.640	240.760	240.826	3.657	10.650	1.519	53.700
11	0.550	1.804	267.660	267.676	0.861	2.510	0.322	46.000
12	0.600	1.968	204.790	204.795	1.378	0.840	0.673	47.100
13	0.650	2.133	139.180	139.182	1.291	0.380	0.928	48.200
14	0.700	2.297	149.350	149.356	1.494	0.960	1.000	47.700
15	0.750	2.461	41.270	41.273	1.533	0.470	3.714	0.000
16	0.800	2.625	28.020	28.020	0.910	0.020	3.248	0.000
17	0.850	2.789	18.330	18.343	0.683	2.100	3.723	0.000
18	0.900	2.953	16.520	16.513	0.602	-1.140	3.646	0.000
19	0.950	3.117	17.470	17.454	0.562	-2.520	3.220	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	14.340	14.285	0.498	-8.820	3.486	0.000
21	1.050	3.445	11.350	11.330	0.376	-3.260	3.319	0.000
22	1.100	3.609	10.380	10.377	0.229	-0.470	2.207	0.000
23	1.150	3.773	9.590	9.577	0.210	-2.010	2.193	0.000
24	1.200	3.937	9.680	9.692	0.196	1.880	2.022	0.000
25	1.250	4.101	8.740	8.782	0.200	6.680	2.277	0.000
26	1.300	4.265	8.870	8.911	0.309	6.640	3.467	0.000
27	1.350	4.429	10.110	10.149	0.399	6.180	3.932	0.000
28	1.400	4.593	351.810	351.815	0.265	0.760	0.075	0.000
29	1.450	4.757	412.980	412.993	0.000	2.130	0.000	0.000
30	1.500	4.921	524.630	524.657	0.000	4.380	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221636
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-15-3
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-23-2013
CPT Time:	07:25
CPT File:	13-53075_GP15-3.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722297.733
Northing / Lat:	4294373.310
Elevation:	144.355
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
1	0.050	0.164	18.910	18.919	0.090	1.390	0.476	24.800
2	0.100	0.328	66.950	66.965	0.332	2.330	0.496	27.200
3	0.150	0.492	124.770	124.789	0.256	3.020	0.205	37.400
4	0.200	0.656	97.690	97.710	0.399	3.130	0.408	42.400
5	0.250	0.820	70.820	70.840	0.583	3.280	0.823	65.100
6	0.300	0.984	55.330	55.352	0.764	3.530	1.380	55.700
7	0.350	1.148	46.280	46.299	0.888	3.040	1.918	54.600
8	0.400	1.312	24.710	24.730	0.778	3.280	3.146	66.600
9	0.450	1.476	23.200	23.230	0.823	4.800	3.543	62.900
10	0.500	1.640	29.540	29.572	0.760	5.070	2.570	75.500
11	0.550	1.804	60.030	60.061	0.790	5.000	1.315	91.200
12	0.600	1.968	126.300	126.331	1.551	4.910	1.228	89.800
13	0.650	2.133	170.380	170.414	1.799	5.470	1.056	84.800
14	0.700	2.297	142.760	142.791	1.942	4.970	1.360	86.600
15	0.750	2.461	125.400	125.430	2.030	4.750	1.618	94.400
16	0.800	2.625	113.120	113.150	1.684	4.850	1.488	85.300
17	0.850	2.789	106.160	106.191	1.338	4.900	1.260	94.800
18	0.900	2.953	90.830	90.859	2.151	4.620	2.367	107.300
19	0.950	3.117	82.880	82.907	2.153	4.400	2.597	91.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	65.360	65.395	2.312	5.620	3.535	93.400
21	1.050	3.445	51.370	51.404	1.654	5.380	3.218	89.600
22	1.100	3.609	40.380	40.412	1.097	5.170	2.715	94.000
23	1.150	3.773	43.800	43.831	1.038	4.900	2.368	108.200
24	1.200	3.937	33.940	33.970	1.333	4.880	3.924	94.100
25	1.250	4.101	29.250	29.279	1.681	4.690	5.741	82.800
26	1.300	4.265	34.490	34.514	1.686	3.780	4.885	81.700
27	1.350	4.429	57.900	57.932	1.430	5.090	2.468	88.100
28	1.400	4.593	24.110	24.151	0.973	6.530	4.029	79.300
29	1.450	4.757	19.800	19.837	0.520	5.960	2.621	87.300
30	1.500	4.921	16.460	16.493	0.500	5.330	3.032	84.100
31	1.550	5.085	14.100	14.130	0.535	4.790	3.786	74.700
32	1.600	5.249	17.150	17.178	0.490	4.490	2.852	75.400
33	1.650	5.413	28.530	28.546	0.401	2.580	1.405	76.900
34	1.700	5.577	25.670	25.690	0.307	3.200	1.195	74.500
35	1.750	5.741	23.520	23.536	0.105	2.500	0.446	85.300
36	1.800	5.905	22.450	22.467	0.104	2.690	0.463	71.700
37	1.850	6.069	31.940	31.953	0.541	2.120	1.693	67.400
38	1.900	6.234	42.530	42.545	0.453	2.330	1.065	70.000
39	1.950	6.398	26.200	26.210	0.578	1.570	2.205	74.900
40	2.000	6.562	15.290	15.300	0.518	1.530	3.386	75.200
41	2.050	6.726	12.410	12.421	0.399	1.740	3.212	88.700
42	2.100	6.890	11.350	11.366	0.338	2.500	2.974	91.500
43	2.150	7.054	10.980	10.995	0.337	2.370	3.065	88.700
44	2.200	7.218	20.160	20.175	0.519	2.480	2.572	88.300
45	2.250	7.382	34.060	34.076	0.768	2.570	2.254	96.400
46	2.300	7.546	38.860	38.875	0.901	2.430	2.318	102.700
47	2.350	7.710	41.880	41.894	1.228	2.210	2.931	92.900
48	2.400	7.874	38.290	38.302	0.985	1.880	2.572	105.900
49	2.450	8.038	45.860	45.872	0.858	2.000	1.870	82.400
50	2.500	8.202	34.950	34.964	0.818	2.260	2.340	90.000
51	2.550	8.366	26.210	26.215	0.742	0.770	2.830	72.800
52	2.600	8.530	26.560	26.559	0.592	-0.180	2.229	58.900
53	2.650	8.694	24.360	24.362	0.594	0.330	2.438	43.700
54	2.700	8.858	15.830	15.829	0.306	-0.140	1.933	30.100
55	2.750	9.022	16.870	16.863	0.362	-1.190	2.147	32.800
56	2.800	9.186	20.930	20.931	0.278	0.140	1.328	19.500
57	2.850	9.350	9.590	9.584	0.256	-0.960	2.671	21.800
58	2.900	9.514	21.670	21.666	0.420	-0.680	1.939	16.200
59	2.950	9.678	17.920	17.916	0.290	-0.680	1.619	13.000
60	3.000	9.842	12.300	12.293	0.257	-1.160	2.091	17.800
61	3.050	10.006	20.280	20.276	0.372	-0.590	1.835	22.400
62	3.100	10.170	18.870	18.866	0.234	-0.610	1.240	17.800
63	3.150	10.335	15.740	15.734	0.344	-1.000	2.186	16.800
64	3.200	10.499	37.930	37.930	0.880	0.020	2.320	20.300
65	3.250	10.663	64.630	64.630	1.102	0.080	1.705	19.400
66	3.300	10.827	31.380	31.415	1.255	5.560	3.995	18.900
67	3.350	10.991	18.040	18.070	0.986	4.860	5.456	24.600
68	3.400	11.155	21.280	21.311	0.600	5.030	2.815	34.500
69	3.450	11.319	24.930	24.960	0.462	4.870	1.851	52.200
70	3.500	11.483	11.230	11.262	0.561	5.060	4.982	52.200
71	3.550	11.647	11.760	11.789	0.455	4.710	3.859	39.300
72	3.600	11.811	18.740	18.763	0.667	3.740	3.555	38.400
73	3.650	11.975	50.280	50.317	0.700	5.910	1.391	23.800
74	3.700	12.139	24.070	24.110	1.289	6.460	5.346	30.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	49.160	49.199	0.988	6.320	2.008	25.300
76	3.800	12.467	46.580	46.681	0.902	16.220	1.932	20.800
77	3.850	12.631	65.220	65.277	0.844	9.140	1.293	21.500
78	3.900	12.795	63.030	63.086	0.837	8.970	1.327	20.100
79	3.950	12.959	82.650	82.652	1.031	0.360	1.247	21.400
80	4.000	13.123	89.910	89.920	1.193	1.620	1.327	28.800
81	4.050	13.287	73.060	73.071	1.383	1.840	1.893	34.000
82	4.100	13.451	58.310	58.324	1.118	2.210	1.917	46.300
83	4.150	13.615	62.060	62.073	1.145	2.120	1.845	43.400
84	4.200	13.779	63.210	63.231	1.216	3.330	1.923	37.100
85	4.250	13.943	19.830	19.850	1.134	3.160	5.713	35.800
86	4.300	14.107	24.830	24.848	0.894	2.930	3.598	39.800
87	4.350	14.271	34.610	34.631	0.530	3.440	1.530	34.800
88	4.400	14.436	12.920	12.945	0.528	3.970	4.079	29.700
89	4.450	14.600	19.720	19.761	0.612	6.520	3.097	28.800
90	4.500	14.764	32.860	32.900	0.704	6.430	2.140	20.900
91	4.550	14.928	39.000	39.040	1.183	6.350	3.030	15.500
92	4.600	15.092	49.210	49.258	1.207	7.610	2.450	18.700
93	4.650	15.256	5.290	5.324	0.917	5.500	17.223	14.100
94	4.700	15.420	1.810	1.829	0.342	3.120	18.694	12.500
95	4.750	15.584	1.730	1.746	0.024	2.620	1.374	14.100
96	4.800	15.748	3.420	3.433	0.147	2.050	4.282	11.500
97	4.850	15.912	25.140	25.163	0.213	3.630	0.846	13.900
98	4.900	16.076	17.660	17.685	0.444	3.960	2.511	12.000
99	4.950	16.240	24.410	24.432	0.494	3.560	2.022	17.000
100	5.000	16.404	17.590	17.610	0.545	3.280	3.095	14.200
101	5.050	16.568	21.400	21.429	0.608	4.580	2.837	11.700
102	5.100	16.732	17.250	17.285	0.811	5.540	4.692	9.500
103	5.150	16.896	16.290	16.351	1.112	9.760	6.801	13.400
104	5.200	17.060	33.040	33.114	0.936	11.830	2.827	17.900
105	5.250	17.224	19.020	19.093	0.988	11.690	5.175	21.000
106	5.300	17.388	8.950	9.007	0.504	9.080	5.596	28.500
107	5.350	17.552	29.100	29.137	0.581	5.900	1.994	85.800
108	5.400	17.716	69.750	69.788	1.252	6.040	1.794	67.600
109	5.450	17.880	120.800	120.825	1.346	4.020	1.114	70.300
110	5.500	18.044	32.350	32.414	1.119	10.250	3.452	79.000
111	5.550	18.208	19.190	19.293	0.748	16.420	3.877	81.600
112	5.600	18.372	30.050	30.168	0.589	18.890	1.952	90.000
113	5.650	18.537	42.720	42.800	0.546	12.880	1.276	74.900
114	5.700	18.701	34.920	34.984	0.467	10.240	1.335	69.700
115	5.750	18.865	21.820	21.873	0.472	8.430	2.158	77.300
116	5.800	19.029	15.420	15.460	0.381	6.420	2.464	41.700
117	5.850	19.193	19.150	19.192	0.421	6.670	2.194	35.200
118	5.900	19.357	32.700	32.744	0.570	7.040	1.741	32.100
119	5.950	19.521	58.880	58.917	0.589	5.940	1.000	30.200
120	6.000	19.685	107.550	107.584	0.815	5.370	0.758	21.100
121	6.050	19.849	150.750	150.802	2.015	8.340	1.336	21.200
122	6.100	20.013	179.970	180.017	2.500	7.470	1.389	15.600
123	6.150	20.177	178.600	178.623	1.654	3.670	0.926	14.700
124	6.200	20.341	196.790	196.817	1.967	4.370	0.999	22.700
125	6.250	20.505	62.570	62.586	1.800	2.580	2.876	16.100
126	6.300	20.669	47.800	47.851	1.533	8.190	3.204	17.900
127	6.350	20.833	33.770	33.811	1.106	6.520	3.271	17.100
128	6.400	20.997	18.000	18.053	0.741	8.420	4.105	14.100
129	6.450	21.161	29.140	29.164	0.948	3.850	3.251	17.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	38.440	38.464	1.214	3.830	3.156	15.300
131	6.550	21.489	28.890	28.928	1.190	6.080	4.114	12.600
132	6.600	21.653	17.150	17.173	0.870	3.710	5.066	13.700
133	6.650	21.817	11.840	11.856	0.510	2.540	4.302	13.800
134	6.700	21.981	6.420	6.434	0.471	2.190	7.321	12.200
135	6.750	22.145	10.920	10.966	0.542	7.390	4.942	14.100
136	6.800	22.309	18.990	19.053	0.625	10.100	3.280	11.900
137	6.850	22.473	13.720	13.798	0.681	12.540	4.935	16.500
138	6.900	22.638	19.300	19.364	0.607	10.320	3.135	20.900
139	6.950	22.802	22.940	22.984	0.541	7.010	2.354	18.400
140	7.000	22.966	29.130	29.160	0.519	4.810	1.780	20.900
141	7.050	23.130	17.110	17.128	0.353	2.930	2.061	21.700
142	7.100	23.294	22.840	22.864	0.362	3.860	1.583	29.300
143	7.150	23.458	17.950	17.972	0.332	3.560	1.847	27.400
144	7.200	23.622	21.030	21.047	0.388	2.750	1.843	31.300
145	7.250	23.786	16.120	16.140	0.372	3.170	2.305	47.000
146	7.300	23.950	13.910	13.940	0.384	4.810	2.755	56.800
147	7.350	24.114	22.750	22.774	0.316	3.780	1.388	60.700
148	7.400	24.278	12.210	12.233	0.221	3.670	1.807	74.000
149	7.450	24.442	12.730	12.760	0.195	4.840	1.528	67.600
150	7.500	24.606	14.780	14.821	0.158	6.560	1.066	75.900
151	7.550	24.770	16.930	16.974	0.143	7.010	0.842	84.500
152	7.600	24.934	28.750	28.796	0.254	7.310	0.882	71.900
153	7.650	25.098	24.560	24.566	0.329	0.960	1.339	79.000
154	7.700	25.262	17.490	17.483	0.295	-1.080	1.687	88.200
155	7.750	25.426	15.730	15.719	0.263	-1.740	1.673	75.400
156	7.800	25.590	22.090	22.079	0.257	-1.790	1.164	76.900
157	7.850	25.754	23.620	23.604	0.235	-2.600	0.996	81.900
158	7.900	25.918	20.740	20.719	0.352	-3.290	1.699	73.500
159	7.950	26.082	32.270	32.242	0.217	-4.490	0.673	68.900
160	8.000	26.246	23.560	23.523	0.298	-5.880	1.267	68.100
161	8.050	26.410	13.270	13.239	0.441	-5.020	3.331	60.300
162	8.100	26.574	14.890	14.860	0.444	-4.730	2.988	58.900
163	8.150	26.739	12.050	12.042	0.443	-1.220	3.679	52.300
164	8.200	26.903	14.430	14.448	0.445	2.930	3.080	47.700
165	8.250	27.067	16.370	16.390	0.436	3.140	2.660	38.800
166	8.300	27.231	9.860	9.895	0.370	5.580	3.739	36.100
167	8.350	27.395	17.580	17.601	0.284	3.300	1.614	27.400
168	8.400	27.559	19.170	19.183	0.260	2.070	1.355	20.200
169	8.450	27.723	12.120	12.133	0.328	2.020	2.703	26.900
170	8.500	27.887	13.180	13.189	0.842	1.370	6.384	19.600
171	8.550	28.051	33.730	33.750	0.534	3.130	1.582	16.700
172	8.600	28.215	7.390	7.398	0.604	1.320	8.164	22.400
173	8.650	28.379	18.940	18.949	0.499	1.380	2.633	20.200
174	8.700	28.543	21.780	21.791	0.452	1.770	2.074	16.700
175	8.750	28.707	22.710	22.740	0.357	4.820	1.570	19.000
176	8.800	28.871	15.170	15.186	0.398	2.520	2.621	21.100
177	8.850	29.035	29.170	29.189	0.583	3.050	1.997	25.700
178	8.900	29.199	52.980	53.045	0.946	10.470	1.783	35.500
179	8.950	29.363	45.170	45.200	1.142	4.840	2.527	33.300
180	9.000	29.527	42.480	42.519	1.387	6.170	3.262	41.300
181	9.050	29.691	49.120	49.174	1.202	8.610	2.444	48.900
182	9.100	29.855	35.320	35.336	1.247	2.610	3.529	66.800
183	9.150	30.019	25.990	26.010	1.111	3.140	4.271	98.300
184	9.200	30.183	38.970	39.014	0.956	7.080	2.450	121.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	26.100	26.157	0.784	9.170	2.997	138.400
186	9.300	30.511	29.310	29.365	0.934	8.760	3.181	163.800
187	9.350	30.675	42.170	42.220	1.155	8.080	2.736	144.200
188	9.400	30.840	45.620	45.663	1.469	6.830	3.217	115.700
189	9.450	31.004	56.890	56.907	1.713	2.700	3.010	89.800
190	9.500	31.168	39.450	39.469	1.236	2.990	3.132	91.300
191	9.550	31.332	83.340	83.355	1.229	2.470	1.474	71.400
192	9.600	31.496	40.520	40.544	1.351	3.900	3.332	57.600
193	9.650	31.660	21.050	21.104	1.135	8.590	5.378	58.000
194	9.700	31.824	30.310	30.370	0.651	9.590	2.144	44.300
195	9.750	31.988	72.480	72.531	0.817	8.090	1.126	27.600
196	9.800	32.152	119.800	119.846	1.373	7.350	1.146	25.100
197	9.850	32.316	80.650	80.698	2.227	7.610	2.760	24.900
198	9.900	32.480	110.140	110.172	2.300	5.060	2.088	17.900
199	9.950	32.644	169.390	169.420	2.393	4.750	1.412	18.000
200	10.000	32.808	92.820	92.848	2.404	4.410	2.589	14.600
201	10.050	32.972	113.440	113.468	1.577	4.500	1.390	18.500
202	10.100	33.136	82.870	82.895	1.177	4.070	1.420	21.800
203	10.150	33.300	24.210	24.255	0.810	7.170	3.340	18.900
204	10.200	33.464	21.000	21.044	0.607	7.010	2.884	20.500
205	10.250	33.628	36.810	36.861	0.687	8.140	1.864	0.000
206	10.300	33.792	43.010	43.049	0.970	6.320	2.253	0.000
207	10.350	33.956	40.560	40.592	1.152	5.150	2.838	0.000
208	10.400	34.120	34.450	34.474	1.234	3.850	3.580	0.000
209	10.450	34.284	30.380	30.414	1.130	5.380	3.715	0.000
210	10.500	34.448	39.130	39.167	1.136	5.910	2.900	0.000
211	10.550	34.612	23.130	23.172	0.812	6.690	3.504	0.000
212	10.600	34.776	12.560	12.621	0.696	9.730	5.515	0.000
213	10.650	34.941	13.200	13.291	0.410	14.600	3.085	0.000
214	10.700	35.105	18.940	18.982	0.459	6.720	2.418	0.000
215	10.750	35.269	29.370	29.414	0.671	6.990	2.281	0.000
216	10.800	35.433	41.910	41.951	1.058	6.510	2.522	0.000
217	10.850	35.597	23.570	23.609	1.083	6.240	4.587	0.000
218	10.900	35.761	333.890	333.954	1.123	10.180	0.336	0.000
219	10.950	35.925	364.480	364.543	0.000	10.080	0.000	0.000
220	11.000	36.089	399.880	399.943	0.000	10.170	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221638
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-15-4
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-22-2013
CPT Time:	16:03
CPT File:	13-53075_GP15-4.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722305.237
Northing / Lat:	4294362.014
Elevation:	144.081
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	12.550	12.582	0.000	5.060	0.000	23.800
2	0.100	0.328	18.960	18.971	0.002	1.740	0.011	30.900
3	0.150	0.492	29.080	29.100	0.003	3.130	0.010	32.600
4	0.200	0.656	46.650	46.679	0.024	4.600	0.051	28.900
5	0.250	0.820	51.070	51.084	0.041	2.290	0.080	29.300
6	0.300	0.984	48.420	48.421	0.113	0.190	0.233	33.300
7	0.350	1.148	48.440	48.478	0.294	6.140	0.606	42.400
8	0.400	1.312	39.290	39.445	0.222	24.870	0.563	45.400
9	0.450	1.476	43.770	43.791	0.295	3.370	0.674	51.400
10	0.500	1.640	24.480	24.484	0.384	0.570	1.568	65.800
11	0.550	1.804	20.890	20.952	0.476	9.890	2.272	68.000
12	0.600	1.968	23.230	23.205	0.610	-4.050	2.629	75.500
13	0.650	2.133	25.130	25.119	0.663	-1.770	2.639	74.400
14	0.700	2.297	28.230	28.182	0.678	-7.710	2.406	89.300
15	0.750	2.461	29.700	29.642	0.732	-9.290	2.469	79.100
16	0.800	2.625	35.690	35.620	0.485	-11.280	1.362	87.600
17	0.850	2.789	4.290	4.267	0.278	-3.630	6.515	87.700
18	0.900	2.953	1.730	1.733	0.079	0.430	4.559	81.800
19	0.950	3.117	1.420	1.424	0.013	0.690	0.913	91.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	1.820	1.823	0.014	0.480	0.768	78.000
21	1.050	3.445	1.730	1.733	0.012	0.450	0.693	77.700
22	1.100	3.609	1.550	1.553	0.013	0.490	0.837	73.400
23	1.150	3.773	4.920	4.924	0.014	0.570	0.284	71.600
24	1.200	3.937	5.000	5.003	0.053	0.490	1.059	73.000
25	1.250	4.101	7.390	7.393	0.323	0.510	4.369	70.800
26	1.300	4.265	17.100	17.101	0.355	0.220	2.076	61.200
27	1.350	4.429	73.000	73.005	2.204	0.760	3.019	59.900
28	1.400	4.593	34.920	34.920	1.941	-0.070	5.558	60.600
29	1.450	4.757	33.490	33.491	1.454	0.110	4.342	51.300
30	1.500	4.921	31.580	31.582	0.234	0.260	0.741	59.100
31	1.550	5.085	41.720	41.713	0.281	-1.160	0.674	46.600
32	1.600	5.249	60.150	60.150	0.461	0.020	0.766	57.200
33	1.650	5.413	50.940	50.921	1.052	-3.090	2.066	54.000
34	1.700	5.577	50.130	50.136	2.203	1.040	4.394	55.800
35	1.750	5.741	50.360	50.360	2.706	0.060	5.373	65.900
36	1.800	5.905	93.830	93.832	1.936	0.300	2.063	78.300
37	1.850	6.069	15.470	15.464	1.734	-0.910	11.213	74.700
38	1.900	6.234	22.020	22.025	1.610	0.800	7.310	88.100
39	1.950	6.398	11.990	11.994	0.374	0.650	3.118	76.700
40	2.000	6.562	8.840	8.848	0.316	1.270	3.571	83.800
41	2.050	6.726	9.720	9.734	0.330	2.260	3.390	82.300
42	2.100	6.890	22.490	22.443	0.296	-7.470	1.319	82.800
43	2.150	7.054	31.330	31.265	0.320	-10.390	1.024	84.000
44	2.200	7.218	34.120	34.098	0.339	-3.590	0.994	82.700
45	2.250	7.382	34.860	34.851	0.410	-1.440	1.176	93.800
46	2.300	7.546	33.980	33.971	0.380	-1.410	1.119	79.200
47	2.350	7.710	33.340	33.323	0.409	-2.730	1.227	85.000
48	2.400	7.874	32.190	32.188	0.434	-0.260	1.348	91.600
49	2.450	8.038	25.120	25.130	0.449	1.620	1.787	82.700
50	2.500	8.202	24.360	24.398	0.486	6.090	1.992	97.300
51	2.550	8.366	27.810	27.846	0.504	5.790	1.810	96.300
52	2.600	8.530	31.540	31.536	0.434	-0.680	1.376	104.200
53	2.650	8.694	25.400	25.379	0.406	-3.390	1.600	103.400
54	2.700	8.858	15.990	15.959	0.374	-4.900	2.343	96.000
55	2.750	9.022	12.500	12.474	0.359	-4.200	2.878	87.600
56	2.800	9.186	9.760	9.751	0.334	-1.510	3.425	75.700
57	2.850	9.350	13.970	13.941	0.335	-4.590	2.403	59.800
58	2.900	9.514	12.410	12.408	0.382	-0.350	3.079	50.400
59	2.950	9.678	17.650	17.688	0.672	6.120	3.799	39.500
60	3.000	9.842	40.900	40.990	0.709	14.480	1.730	33.900
61	3.050	10.006	20.770	20.794	0.640	3.850	3.078	28.600
62	3.100	10.170	8.430	8.454	0.627	3.870	7.416	21.900
63	3.150	10.335	6.420	6.434	0.427	2.320	6.636	20.400
64	3.200	10.499	43.270	43.265	0.704	-0.780	1.627	18.800
65	3.250	10.663	50.460	50.485	0.986	4.020	1.953	19.900
66	3.300	10.827	39.130	39.182	1.180	8.260	3.012	21.200
67	3.350	10.991	57.160	57.141	1.226	-3.080	2.146	21.000
68	3.400	11.155	98.670	98.677	1.386	1.080	1.405	24.900
69	3.450	11.319	37.140	37.239	1.245	15.920	3.343	26.400
70	3.500	11.483	43.270	43.306	0.971	5.760	2.242	27.800
71	3.550	11.647	80.260	80.256	0.672	-0.650	0.837	27.200
72	3.600	11.811	50.800	50.798	0.827	-0.370	1.628	43.900
73	3.650	11.975	34.960	34.944	1.036	-2.510	2.965	45.300
74	3.700	12.139	19.460	19.485	0.741	3.980	3.803	44.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	32.710	32.739	0.261	4.700	0.797	28.900
76	3.800	12.467	97.600	97.607	0.737	1.090	0.755	33.200
77	3.850	12.631	89.060	89.067	0.914	1.070	1.026	24.400
78	3.900	12.795	58.340	58.348	0.807	1.210	1.383	22.800
79	3.950	12.959	13.080	13.054	0.712	-4.100	5.454	23.200
80	4.000	13.123	12.230	12.229	0.273	-0.240	2.232	20.300
81	4.050	13.287	14.460	14.457	0.200	-0.440	1.383	28.700
82	4.100	13.451	8.380	8.385	0.275	0.860	3.280	30.100
83	4.150	13.615	14.250	14.247	0.409	-0.560	2.871	34.400
84	4.200	13.779	19.230	19.224	0.403	-0.990	2.096	39.500
85	4.250	13.943	18.130	18.142	0.403	1.880	2.221	39.500
86	4.300	14.107	14.430	14.360	0.406	-11.290	2.827	27.800
87	4.350	14.271	15.810	15.795	0.598	-2.480	3.786	19.800
88	4.400	14.436	11.800	11.881	0.612	13.000	5.151	10.200
89	4.450	14.600	27.440	27.469	0.460	4.690	1.675	11.600
90	4.500	14.764	34.860	34.858	0.405	-0.330	1.162	10.900
91	4.550	14.928	26.990	26.994	0.512	0.630	1.897	10.000
92	4.600	15.092	31.360	31.350	0.362	-1.600	1.155	6.100
93	4.650	15.256	1.900	1.899	0.261	-0.190	13.745	7.400
94	4.700	15.420	8.790	8.791	0.301	0.110	3.424	5.300
95	4.750	15.584	30.960	30.974	0.316	2.180	1.020	7.200
96	4.800	15.748	26.920	26.946	0.639	4.110	2.371	10.300
97	4.850	15.912	60.990	60.988	0.905	-0.350	1.484	11.200
98	4.900	16.076	19.590	19.592	0.695	0.370	3.547	8.900
99	4.950	16.240	2.910	2.914	0.662	0.570	22.721	11.800
100	5.000	16.404	4.090	4.087	0.187	-0.460	4.575	16.200
101	5.050	16.568	9.760	9.760	0.155	-0.070	1.588	12.300
102	5.100	16.732	16.190	16.193	0.556	0.440	3.434	13.600
103	5.150	16.896	43.260	43.278	0.866	2.910	2.001	14.200
104	5.200	17.060	24.310	24.296	1.133	-2.230	4.663	13.200
105	5.250	17.224	27.880	27.868	1.343	-1.860	4.819	13.400
106	5.300	17.388	78.270	78.352	1.869	13.180	2.385	13.400
107	5.350	17.552	89.870	89.843	1.903	-4.280	2.118	19.600
108	5.400	17.716	60.690	60.679	2.113	-1.840	3.482	22.400
109	5.450	17.880	23.380	23.419	1.065	6.210	4.548	26.500
110	5.500	18.044	17.120	17.120	0.851	-0.010	4.971	25.100
111	5.550	18.208	49.200	49.210	0.892	1.660	1.813	44.000
112	5.600	18.372	66.360	66.363	1.278	0.500	1.926	53.300
113	5.650	18.537	39.250	39.260	1.134	1.530	2.888	64.300
114	5.700	18.701	18.810	18.886	0.900	12.140	4.765	76.700
115	5.750	18.865	18.930	18.940	0.705	1.600	3.722	92.600
116	5.800	19.029	18.490	18.732	0.702	38.730	3.748	103.000
117	5.850	19.193	21.930	22.472	0.709	86.760	3.155	93.000
118	5.900	19.357	25.750	26.529	0.876	124.830	3.302	85.700
119	5.950	19.521	27.810	27.955	0.993	23.170	3.552	85.100
120	6.000	19.685	26.600	26.731	0.811	20.960	3.034	94.800
121	6.050	19.849	16.720	17.378	0.659	105.340	3.792	84.600
122	6.100	20.013	18.150	18.653	0.579	80.570	3.104	78.800
123	6.150	20.177	18.010	18.191	0.589	29.040	3.238	58.600
124	6.200	20.341	22.360	22.562	0.678	32.390	3.005	49.800
125	6.250	20.505	36.830	36.815	0.798	-2.430	2.168	31.600
126	6.300	20.669	40.960	41.026	1.317	10.580	3.210	27.000
127	6.350	20.833	47.450	47.489	1.198	6.240	2.523	23.900
128	6.400	20.997	84.450	84.482	1.748	5.140	2.069	23.800
129	6.450	21.161	68.860	68.887	1.920	4.320	2.787	19.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	55.610	55.691	2.320	12.950	4.166	21.500
131	6.550	21.489	67.800	67.774	2.365	-4.160	3.490	11.200
132	6.600	21.653	84.820	84.823	2.221	0.560	2.618	15.600
133	6.650	21.817	65.530	65.564	2.335	5.380	3.561	23.600
134	6.700	21.981	32.730	32.755	2.002	4.070	6.112	18.500
135	6.750	22.145	40.690	40.684	1.343	-1.030	3.301	16.500
136	6.800	22.309	43.440	43.462	1.079	3.520	2.483	19.400
137	6.850	22.473	33.590	33.594	1.407	0.720	4.188	18.200
138	6.900	22.638	47.570	47.571	1.256	0.120	2.640	23.500
139	6.950	22.802	48.870	48.866	1.455	-0.690	2.978	19.600
140	7.000	22.966	44.640	44.694	1.731	8.680	3.873	22.700
141	7.050	23.130	41.620	41.680	1.613	9.600	3.870	19.200
142	7.100	23.294	53.910	54.740	1.512	133.030	2.762	14.000
143	7.150	23.458	78.460	78.690	1.185	36.920	1.506	19.800
144	7.200	23.622	85.120	85.275	1.183	24.890	1.387	19.500
145	7.250	23.786	27.190	27.300	1.151	17.570	4.216	25.200
146	7.300	23.950	20.340	20.380	0.755	6.340	3.705	24.700
147	7.350	24.114	24.020	24.027	0.635	1.140	2.643	26.700
148	7.400	24.278	26.200	26.245	0.657	7.230	2.503	43.000
149	7.450	24.442	17.970	18.209	0.523	38.230	2.872	56.200
150	7.500	24.606	19.680	20.144	0.682	74.300	3.386	53.200
151	7.550	24.770	37.720	37.748	0.877	4.430	2.323	50.400
152	7.600	24.934	51.810	51.883	1.080	11.640	2.082	49.400
153	7.650	25.098	41.390	41.419	1.265	4.680	3.054	44.400
154	7.700	25.262	24.380	24.395	1.073	2.460	4.398	40.400
155	7.750	25.426	38.570	38.571	0.791	0.130	2.051	36.700
156	7.800	25.590	76.460	76.473	1.237	2.020	1.618	38.100
157	7.850	25.754	109.700	109.751	2.302	8.110	2.097	43.100
158	7.900	25.918	133.450	133.584	2.646	21.430	1.981	49.100
159	7.950	26.082	27.420	27.412	2.106	-1.300	7.683	64.400
160	8.000	26.246	20.970	21.177	1.028	33.200	4.854	80.200
161	8.050	26.410	17.250	17.593	0.498	54.940	2.831	75.900
162	8.100	26.574	22.820	23.006	0.514	29.760	2.234	76.900
163	8.150	26.739	26.490	26.641	0.678	24.120	2.545	74.700
164	8.200	26.903	27.710	27.777	0.821	10.790	2.956	52.300
165	8.250	27.067	31.220	31.349	0.763	20.610	2.434	48.500
166	8.300	27.231	43.890	44.219	1.461	52.630	3.304	37.400
167	8.350	27.395	80.230	80.294	2.219	10.180	2.764	36.300
168	8.400	27.559	64.680	64.705	2.357	4.030	3.643	26.300
169	8.450	27.723	26.050	26.056	2.392	0.970	9.180	26.000
170	8.500	27.887	73.690	73.724	2.191	5.370	2.972	30.500
171	8.550	28.051	69.580	69.589	1.348	1.410	1.937	31.100
172	8.600	28.215	28.450	28.467	1.706	2.660	5.993	31.100
173	8.650	28.379	39.250	39.332	1.243	13.060	3.160	38.000
174	8.700	28.543	23.870	23.961	0.913	14.570	3.810	43.600
175	8.750	28.707	27.100	27.334	1.000	37.460	3.658	58.200
176	8.800	28.871	33.990	34.034	0.961	7.050	2.824	75.500
177	8.850	29.035	30.300	30.354	1.167	8.610	3.845	93.800
178	8.900	29.199	33.160	33.666	0.842	81.090	2.501	137.800
179	8.950	29.363	44.840	44.902	0.925	9.920	2.060	140.000
180	9.000	29.527	56.350	56.449	1.106	15.900	1.959	124.700
181	9.050	29.691	50.590	50.601	1.162	1.710	2.296	107.600
182	9.100	29.855	38.140	38.173	1.054	5.220	2.761	92.600
183	9.150	30.019	41.600	41.707	0.872	17.190	2.091	81.300
184	9.200	30.183	56.470	56.576	1.207	16.900	2.133	66.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	45.360	45.378	1.586	2.940	3.495	46.800
186	9.300	30.511	63.490	63.652	1.572	25.930	2.470	35.400
187	9.350	30.675	65.120	66.554	2.073	229.730	3.115	39.800
188	9.400	30.840	59.620	59.682	2.376	9.990	3.981	30.300
189	9.450	31.004	38.350	38.417	2.536	10.730	6.601	35.500
190	9.500	31.168	57.990	58.211	2.709	35.450	4.654	28.000
191	9.550	31.332	90.490	90.672	2.915	29.130	3.215	23.700
192	9.600	31.496	158.390	158.445	2.274	8.780	1.435	37.500
193	9.650	31.660	88.710	88.698	2.031	-1.860	2.290	30.500
194	9.700	31.824	68.230	68.353	2.007	19.640	2.936	53.600
195	9.750	31.988	59.530	59.553	1.142	3.690	1.918	57.100
196	9.800	32.152	30.290	30.439	0.891	23.940	2.927	70.200
197	9.850	32.316	23.240	23.952	0.604	114.000	2.522	75.700
198	9.900	32.480	24.640	25.289	0.386	103.980	1.526	74.400
199	9.950	32.644	25.000	25.869	0.477	139.230	1.844	86.200
200	10.000	32.808	25.230	25.783	0.488	88.600	1.893	68.800
201	10.050	32.972	23.730	24.225	0.557	79.270	2.299	72.000
202	10.100	33.136	22.020	22.234	0.641	34.360	2.883	66.900
203	10.150	33.300	27.220	27.351	0.557	20.950	2.037	55.700
204	10.200	33.464	74.830	75.195	1.011	58.410	1.345	66.900
205	10.250	33.628	37.110	37.181	1.304	11.420	3.507	68.400
206	10.300	33.792	64.080	64.140	1.448	9.690	2.258	70.600
207	10.350	33.956	33.680	33.754	1.033	11.900	3.060	75.700
208	10.400	34.120	28.230	28.551	0.990	51.450	3.467	74.300
209	10.450	34.284	30.010	30.280	0.602	43.280	1.988	78.300
210	10.500	34.448	30.080	30.399	0.727	51.080	2.392	79.500
211	10.550	34.612	35.510	35.941	0.919	69.050	2.557	66.100
212	10.600	34.776	70.390	70.471	1.317	12.960	1.869	61.300
213	10.650	34.941	75.950	75.938	1.562	-2.000	2.057	78.000
214	10.700	35.105	24.320	24.332	1.472	1.860	6.050	68.500
215	10.750	35.269	21.050	21.099	0.998	7.840	4.730	74.900
216	10.800	35.433	17.280	17.331	0.608	8.110	3.508	75.900
217	10.850	35.597	16.720	16.846	0.723	20.220	4.292	79.700
218	10.900	35.761	17.740	17.836	0.967	15.360	5.422	79.800
219	10.950	35.925	17.050	17.113	1.075	10.120	6.282	77.900
220	11.000	36.089	17.540	17.611	0.980	11.320	5.565	71.000
221	11.050	36.253	23.850	23.898	0.838	7.760	3.507	73.000
222	11.100	36.417	32.170	32.186	0.698	2.600	2.169	74.700
223	11.150	36.581	20.570	20.632	0.684	9.870	3.315	76.700
224	11.200	36.745	26.800	26.922	0.638	19.600	2.370	73.700
225	11.250	36.909	27.340	27.457	0.670	18.800	2.440	80.600
226	11.300	37.073	30.050	30.166	0.649	18.520	2.151	75.300
227	11.350	37.237	22.830	22.933	0.694	16.570	3.026	77.400
228	11.400	37.401	52.460	52.408	0.721	-8.370	1.376	80.600
229	11.450	37.565	57.960	57.903	1.188	-9.080	2.052	79.600
230	11.500	37.729	31.730	31.691	1.221	-6.320	3.853	0.000
231	11.550	37.893	18.570	18.715	0.898	23.190	4.798	0.000
232	11.600	38.057	19.220	19.311	0.515	14.520	2.667	0.000
233	11.650	38.221	15.910	16.008	0.515	15.740	3.217	0.000
234	11.700	38.385	15.530	15.658	0.488	20.510	3.117	0.000
235	11.750	38.549	13.610	13.744	0.615	21.480	4.475	0.000
236	11.800	38.713	14.160	14.291	0.557	21.010	3.898	0.000
237	11.850	38.877	20.240	20.288	0.936	7.680	4.614	0.000
238	11.900	39.042	12.010	12.187	0.478	28.390	3.922	0.000
239	11.950	39.206	47.590	47.566	0.631	-3.910	1.327	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	62.500	62.474	0.811	-4.140	1.298	0.000
241	12.050	39.534	30.770	30.818	0.741	7.740	2.404	0.000
242	12.100	39.698	118.340	118.388	3.482	7.710	2.941	0.000
243	12.150	39.862	109.430	109.434	3.414	0.590	3.120	0.000
244	12.200	40.026	208.670	208.655	0.000	-2.350	0.000	0.000
245	12.250	40.190	390.040	390.046	0.000	0.960	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221639
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-15-5
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-22-2013
CPT Time:	15:10
CPT File:	13-53075_GP15-5.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722316.664
Northing / Lat:	4294349.094
Elevation:	142.885
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	31.000	31.005	0.090	0.840	0.290	26.000
2	0.100	0.328	38.210	38.220	0.054	1.610	0.141	27.400
3	0.150	0.492	47.740	47.729	0.110	-1.840	0.230	34.300
4	0.200	0.656	63.310	63.350	0.084	6.440	0.133	32.700
5	0.250	0.820	57.780	57.781	0.203	0.240	0.351	38.800
6	0.300	0.984	54.620	54.682	0.165	9.910	0.302	54.500
7	0.350	1.148	50.700	50.710	0.168	1.580	0.331	42.300
8	0.400	1.312	44.540	44.583	0.338	6.830	0.758	54.200
9	0.450	1.476	50.190	50.195	0.387	0.760	0.771	55.300
10	0.500	1.640	20.230	20.382	0.394	24.340	1.933	73.700
11	0.550	1.804	11.490	11.696	0.490	32.940	4.190	79.600
12	0.600	1.968	12.470	12.668	0.376	31.770	2.968	89.900
13	0.650	2.133	20.930	20.977	0.376	7.470	1.792	103.700
14	0.700	2.297	40.590	40.624	0.467	5.390	1.150	90.900
15	0.750	2.461	56.450	56.450	0.627	0.010	1.111	94.600
16	0.800	2.625	79.220	79.230	0.762	1.650	0.962	97.700
17	0.850	2.789	90.660	90.669	1.003	1.370	1.106	100.000
18	0.900	2.953	98.490	98.495	1.174	0.780	1.192	103.100
19	0.950	3.117	102.970	102.983	1.351	2.140	1.312	99.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	109.070	109.080	1.557	1.640	1.427	100.100
21	1.050	3.445	113.570	113.569	1.732	-0.210	1.525	88.600
22	1.100	3.609	111.160	111.159	1.819	-0.100	1.636	88.700
23	1.150	3.773	97.020	97.018	1.753	-0.400	1.807	96.500
24	1.200	3.937	78.450	78.443	1.626	-1.160	2.073	81.600
25	1.250	4.101	63.170	63.179	1.500	1.440	2.374	89.800
26	1.300	4.265	52.090	52.115	1.445	3.960	2.773	93.400
27	1.350	4.429	45.810	45.807	1.213	-0.480	2.648	94.400
28	1.400	4.593	39.270	39.264	0.956	-0.970	2.435	95.100
29	1.450	4.757	34.690	34.678	0.729	-1.890	2.102	92.800
30	1.500	4.921	31.540	31.516	0.539	-3.890	1.710	113.400
31	1.550	5.085	30.430	30.406	0.530	-3.890	1.743	98.300
32	1.600	5.249	33.840	33.841	0.609	0.230	1.800	85.600
33	1.650	5.413	37.960	37.993	0.779	5.240	2.050	97.100
34	1.700	5.577	40.010	40.031	0.850	3.310	2.123	93.500
35	1.750	5.741	35.650	35.640	0.969	-1.640	2.719	87.400
36	1.800	5.905	42.980	42.965	1.063	-2.370	2.474	99.500
37	1.850	6.069	50.520	50.503	0.939	-2.780	1.859	100.900
38	1.900	6.234	53.630	53.603	0.944	-4.320	1.761	97.000
39	1.950	6.398	34.540	34.492	1.129	-7.630	3.273	100.200
40	2.000	6.562	24.860	24.798	1.205	-9.880	4.859	87.400
41	2.050	6.726	40.080	40.023	1.354	-9.060	3.383	79.500
42	2.100	6.890	38.330	38.296	1.048	-5.380	2.737	64.400
43	2.150	7.054	33.710	33.672	1.116	-6.130	3.314	64.000
44	2.200	7.218	42.160	42.157	0.335	-0.460	0.795	59.100
45	2.250	7.382	57.650	57.652	0.650	0.320	1.127	62.600
46	2.300	7.546	38.850	38.853	0.854	0.420	2.198	64.000
47	2.350	7.710	51.400	51.418	0.883	2.940	1.717	66.200
48	2.400	7.874	59.060	59.101	0.745	6.550	1.261	78.300
49	2.450	8.038	47.560	47.577	0.561	2.710	1.179	66.500
50	2.500	8.202	29.410	29.405	0.479	-0.740	1.629	51.800
51	2.550	8.366	14.560	14.543	0.549	-2.650	3.775	53.000
52	2.600	8.530	11.130	11.132	0.376	0.300	3.378	34.200
53	2.650	8.694	19.500	19.450	0.403	-8.040	2.072	35.400
54	2.700	8.858	18.940	18.944	0.474	0.690	2.502	29.600
55	2.750	9.022	12.190	12.211	0.562	3.440	4.602	23.200
56	2.800	9.186	15.880	15.868	0.470	-1.870	2.962	24.700
57	2.850	9.350	20.730	20.735	0.457	0.780	2.204	28.000
58	2.900	9.514	20.770	20.822	0.423	8.390	2.031	17.100
59	2.950	9.678	26.370	26.359	0.557	-1.750	2.113	22.200
60	3.000	9.842	11.960	11.996	0.468	5.780	3.901	14.100
61	3.050	10.006	20.360	20.343	1.318	-2.700	6.479	12.900
62	3.100	10.170	65.370	65.438	1.867	10.840	2.853	9.700
63	3.150	10.335	132.360	132.359	0.794	-0.200	0.600	11.300
64	3.200	10.499	157.800	157.790	0.567	-1.620	0.359	13.500
65	3.250	10.663	186.890	186.904	1.315	2.190	0.704	14.600
66	3.300	10.827	45.470	45.544	1.659	11.840	3.643	13.800
67	3.350	10.991	24.690	24.710	1.108	3.170	4.484	14.700
68	3.400	11.155	18.790	18.786	0.729	-0.590	3.880	16.900
69	3.450	11.319	17.770	17.791	0.488	3.320	2.743	12.500
70	3.500	11.483	18.370	18.397	0.464	4.340	2.522	13.700
71	3.550	11.647	34.430	34.437	0.583	1.140	1.693	13.900
72	3.600	11.811	41.120	41.167	0.772	7.590	1.875	6.800
73	3.650	11.975	49.170	49.217	0.801	7.500	1.627	16.000
74	3.700	12.139	16.360	16.355	0.677	-0.780	4.139	11.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	6.560	6.563	0.400	0.420	6.095	17.100
76	3.800	12.467	15.440	15.443	0.417	0.460	2.700	13.400
77	3.850	12.631	35.350	35.382	0.546	5.070	1.543	16.600
78	3.900	12.795	44.790	44.878	0.661	14.070	1.473	17.200
79	3.950	12.959	56.530	56.520	0.791	-1.670	1.400	17.700
80	4.000	13.123	20.370	20.410	0.699	6.420	3.425	19.400
81	4.050	13.287	20.560	20.582	0.671	3.600	3.260	24.500
82	4.100	13.451	14.040	14.069	0.383	4.720	2.722	22.600
83	4.150	13.615	24.390	24.404	0.344	2.310	1.410	26.500
84	4.200	13.779	58.620	58.685	0.661	10.440	1.126	35.300
85	4.250	13.943	63.670	63.684	0.912	2.170	1.432	38.100
86	4.300	14.107	32.200	32.315	1.089	18.360	3.370	36.400
87	4.350	14.271	22.360	22.365	0.930	0.800	4.158	56.000
88	4.400	14.436	19.770	19.783	0.761	2.140	3.847	57.100
89	4.450	14.600	22.520	22.547	0.834	4.310	3.699	51.300
90	4.500	14.764	52.340	52.377	1.289	5.970	2.461	46.800
91	4.550	14.928	24.990	25.009	0.628	3.000	2.511	35.000
92	4.600	15.092	114.550	114.578	0.737	4.530	0.643	28.200
93	4.650	15.256	260.700	260.743	6.248	6.960	2.396	37.100
94	4.700	15.420	208.460	208.477	5.533	2.720	2.654	28.100
95	4.750	15.584	9.100	9.120	4.606	3.250	50.503	23.000
96	4.800	15.748	15.160	15.190	0.461	4.810	3.035	21.100
97	4.850	15.912	25.230	25.226	0.536	-0.690	2.125	18.900
98	4.900	16.076	29.360	29.374	0.500	2.320	1.702	22.600
99	4.950	16.240	54.960	54.968	0.517	1.290	0.941	21.300
100	5.000	16.404	80.970	80.969	1.259	-0.100	1.555	16.200
101	5.050	16.568	79.550	79.549	1.526	-0.230	1.918	21.500
102	5.100	16.732	48.820	48.849	2.055	4.640	4.207	19.400
103	5.150	16.896	57.200	57.194	2.008	-0.940	3.511	23.300
104	5.200	17.060	69.090	69.135	1.794	7.240	2.595	16.800
105	5.250	17.224	67.760	67.758	1.679	-0.380	2.478	22.600
106	5.300	17.388	56.490	56.496	1.575	0.920	2.788	26.700
107	5.350	17.552	59.620	59.615	1.750	-0.790	2.935	26.700
108	5.400	17.716	47.910	47.932	1.196	3.490	2.495	35.400
109	5.450	17.880	50.890	50.933	1.281	6.920	2.515	33.400
110	5.500	18.044	28.620	28.627	0.923	1.120	3.224	38.100
111	5.550	18.208	15.350	15.397	1.385	7.540	8.995	44.000
112	5.600	18.372	50.470	50.483	1.551	2.150	3.072	57.600
113	5.650	18.537	86.470	86.485	1.261	2.340	1.458	56.900
114	5.700	18.701	31.750	31.797	1.454	7.520	4.573	66.000
115	5.750	18.865	28.050	28.052	0.832	0.340	2.966	72.100
116	5.800	19.029	26.380	26.522	0.691	22.710	2.605	80.300
117	5.850	19.193	35.010	35.035	0.733	4.030	2.092	84.800
118	5.900	19.357	26.010	26.017	0.782	1.160	3.006	80.400
119	5.950	19.521	22.180	22.166	0.821	-2.280	3.704	76.200
120	6.000	19.685	20.380	20.363	0.796	-2.710	3.909	68.900
121	6.050	19.849	17.670	17.648	0.628	-3.560	3.559	52.900
122	6.100	20.013	18.420	18.404	0.448	-2.530	2.434	52.000
123	6.150	20.177	18.590	18.577	0.414	-2.020	2.229	36.500
124	6.200	20.341	16.270	16.257	0.385	-2.060	2.368	34.800
125	6.250	20.505	39.080	39.090	0.487	1.550	1.246	31.700
126	6.300	20.669	36.550	36.595	0.666	7.130	1.820	30.200
127	6.350	20.833	12.090	12.125	0.649	5.590	5.353	34.900
128	6.400	20.997	11.790	11.926	0.694	21.790	5.819	38.800
129	6.450	21.161	15.190	15.281	0.625	14.620	4.090	45.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	18.180	18.238	0.616	9.240	3.378	47.800
131	6.550	21.489	17.990	18.029	0.609	6.190	3.378	46.900
132	6.600	21.653	9.660	9.666	0.501	0.970	5.183	42.500
133	6.650	21.817	13.150	13.189	0.419	6.320	3.177	28.600
134	6.700	21.981	13.430	13.492	0.451	9.900	3.343	27.800
135	6.750	22.145	19.650	19.710	0.700	9.670	3.551	29.200
136	6.800	22.309	24.810	24.880	0.838	11.140	3.368	25.100
137	6.850	22.473	18.420	18.635	0.793	34.380	4.256	19.200
138	6.900	22.638	38.450	38.575	0.832	20.030	2.157	18.600
139	6.950	22.802	42.190	42.234	1.434	7.030	3.395	20.100
140	7.000	22.966	52.380	52.388	1.575	1.240	3.006	17.100
141	7.050	23.130	16.410	16.501	1.666	14.550	10.096	20.400
142	7.100	23.294	72.680	72.799	2.061	19.050	2.831	22.400
143	7.150	23.458	57.750	57.860	1.974	17.580	3.412	22.200
144	7.200	23.622	26.480	26.506	1.758	4.180	6.632	29.500
145	7.250	23.786	25.980	26.014	1.160	5.380	4.459	38.800
146	7.300	23.950	19.780	19.807	0.778	4.380	3.928	43.000
147	7.350	24.114	17.270	17.314	0.679	6.980	3.922	47.100
148	7.400	24.278	10.490	10.555	0.514	10.460	4.870	58.900
149	7.450	24.442	7.490	7.556	0.400	10.650	5.293	67.300
150	7.500	24.606	8.790	8.944	0.383	24.640	4.282	87.300
151	7.550	24.770	11.200	11.441	0.529	38.590	4.624	78.200
152	7.600	24.934	11.720	11.866	0.867	23.360	7.307	75.700
153	7.650	25.098	11.050	11.211	0.623	25.720	5.557	62.400
154	7.700	25.262	18.950	18.924	0.859	-4.110	4.539	53.600
155	7.750	25.426	19.270	19.314	0.782	6.970	4.049	54.800
156	7.800	25.590	10.760	10.807	0.621	7.600	5.746	46.400
157	7.850	25.754	10.310	10.367	0.667	9.080	6.434	46.000
158	7.900	25.918	23.880	23.871	0.370	-1.470	1.550	47.800
159	7.950	26.082	30.580	30.601	0.481	3.380	1.572	38.300
160	8.000	26.246	43.690	43.709	0.700	3.000	1.602	35.600
161	8.050	26.410	51.310	51.332	0.599	3.460	1.167	38.700
162	8.100	26.574	49.760	49.814	0.776	8.640	1.558	49.300
163	8.150	26.739	71.110	71.130	1.203	3.240	1.691	46.700
164	8.200	26.903	37.690	37.711	1.136	3.440	3.012	47.400
165	8.250	27.067	15.330	15.461	0.967	20.980	6.254	70.500
166	8.300	27.231	16.980	17.337	0.368	57.120	2.123	71.100
167	8.350	27.395	48.140	48.399	0.516	41.440	1.066	66.500
168	8.400	27.559	37.600	37.677	0.566	12.370	1.502	76.800
169	8.450	27.723	17.170	17.257	0.524	13.880	3.037	77.600
170	8.500	27.887	15.250	15.474	0.431	35.830	2.785	81.600
171	8.550	28.051	12.440	12.609	0.377	27.040	2.990	81.300
172	8.600	28.215	12.510	12.674	0.325	26.200	2.564	90.200
173	8.650	28.379	32.180	32.334	1.040	24.720	3.216	72.100
174	8.700	28.543	80.330	80.475	0.984	23.280	1.223	91.200
175	8.750	28.707	16.900	17.075	0.932	28.020	5.458	89.900
176	8.800	28.871	16.640	17.072	0.814	69.160	4.768	88.100
177	8.850	29.035	19.390	19.937	0.392	87.680	1.966	81.500
178	8.900	29.199	21.130	21.575	0.434	71.280	2.012	70.400
179	8.950	29.363	21.280	21.638	0.449	57.380	2.075	76.000
180	9.000	29.527	19.910	20.334	0.440	67.960	2.164	66.400
181	9.050	29.691	19.810	20.159	0.702	55.950	3.482	67.600
182	9.100	29.855	21.350	21.629	1.097	44.620	5.072	55.500
183	9.150	30.019	44.040	44.088	1.079	7.610	2.447	56.200
184	9.200	30.183	36.150	36.196	1.322	7.420	3.652	41.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	57.860	58.021	1.401	25.830	2.415	58.900
186	9.300	30.511	32.060	32.140	1.109	12.860	3.450	69.700
187	9.350	30.675	17.590	17.641	0.785	8.160	4.450	81.500
188	9.400	30.840	15.760	15.892	0.428	21.130	2.693	75.500
189	9.450	31.004	15.600	15.978	0.204	60.550	1.277	63.500
190	9.500	31.168	26.430	26.603	0.348	27.790	1.308	63.800
191	9.550	31.332	32.230	32.274	0.554	7.110	1.717	67.900
192	9.600	31.496	18.410	18.580	0.512	27.210	2.756	75.800
193	9.650	31.660	14.220	14.535	0.385	50.410	2.649	75.600
194	9.700	31.824	21.920	22.307	0.269	62.000	1.206	72.600
195	9.750	31.988	20.060	20.099	0.351	6.180	1.746	73.600
196	9.800	32.152	23.300	23.361	0.479	9.760	2.050	66.300
197	9.850	32.316	63.370	63.453	0.710	13.370	1.119	64.900
198	9.900	32.480	43.030	43.144	1.291	18.270	2.992	67.100
199	9.950	32.644	33.070	33.228	1.325	25.240	3.988	83.900
200	10.000	32.808	22.460	23.579	0.880	179.180	3.732	83.800
201	10.050	32.972	18.000	18.352	0.729	56.410	3.972	88.300
202	10.100	33.136	27.140	27.798	0.501	105.410	1.802	85.900
203	10.150	33.300	32.900	33.633	0.570	117.400	1.695	90.000
204	10.200	33.464	35.510	36.149	0.581	102.380	1.607	81.700
205	10.250	33.628	28.950	29.278	0.682	52.620	2.329	89.700
206	10.300	33.792	26.270	26.439	0.655	27.000	2.477	87.200
207	10.350	33.956	43.990	44.278	0.426	46.190	0.962	81.800
208	10.400	34.120	149.950	149.966	1.694	2.610	1.130	60.200
209	10.450	34.284	139.660	139.707	2.312	7.550	1.655	63.500
210	10.500	34.448	73.960	74.004	2.246	6.970	3.035	76.200
211	10.550	34.612	61.380	61.428	1.708	7.670	2.780	87.000
212	10.600	34.776	27.000	27.101	0.652	16.200	2.406	88.900
213	10.650	34.941	19.680	20.024	0.298	55.030	1.488	82.600
214	10.700	35.105	18.880	19.250	0.220	59.240	1.143	99.200
215	10.750	35.269	19.280	19.657	0.210	60.450	1.068	89.000
216	10.800	35.433	21.070	21.441	0.255	59.410	1.189	88.500
217	10.850	35.597	21.640	22.019	0.282	60.730	1.281	84.400
218	10.900	35.761	23.440	23.886	0.273	71.440	1.143	97.700
219	10.950	35.925	25.320	25.770	0.300	72.080	1.164	102.000
220	11.000	36.089	25.280	25.652	0.342	59.590	1.333	91.000
221	11.050	36.253	25.520	25.867	0.358	55.510	1.384	97.700
222	11.100	36.417	23.420	23.682	0.323	41.960	1.364	89.800
223	11.150	36.581	21.610	21.900	0.321	46.450	1.466	97.400
224	11.200	36.745	21.000	21.333	0.294	53.320	1.378	94.300
225	11.250	36.909	23.560	23.944	0.126	61.480	0.526	98.200
226	11.300	37.073	36.670	37.038	0.276	58.910	0.745	82.200
227	11.350	37.237	43.200	43.212	0.519	1.990	1.201	92.900
228	11.400	37.401	25.220	25.241	0.552	3.300	2.187	88.900
229	11.450	37.565	24.790	24.823	0.714	5.280	2.876	69.000
230	11.500	37.729	26.820	26.890	0.799	11.230	2.971	57.400
231	11.550	37.893	78.390	78.511	1.118	19.370	1.424	58.500
232	11.600	38.057	115.320	115.475	2.146	24.750	1.858	68.600
233	11.650	38.221	76.860	76.943	2.592	13.220	3.369	76.500
234	11.700	38.385	41.370	41.469	1.703	15.880	4.107	80.900
235	11.750	38.549	17.990	18.457	0.877	74.830	4.752	88.600
236	11.800	38.713	18.140	18.789	0.482	103.920	2.565	81.300
237	11.850	38.877	14.610	14.745	0.448	21.560	3.038	72.400
238	11.900	39.042	13.020	13.133	0.544	18.090	4.142	65.300
239	11.950	39.206	16.180	16.355	0.616	27.980	3.767	61.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	21.030	21.161	0.920	20.980	4.348	48.900
241	12.050	39.534	91.000	91.167	1.381	26.770	1.515	42.800
242	12.100	39.698	50.790	50.871	1.757	12.990	3.454	44.600
243	12.150	39.862	26.090	26.192	1.647	16.280	6.288	45.100
244	12.200	40.026	21.190	21.410	1.004	35.240	4.689	42.900
245	12.250	40.190	27.050	27.149	0.847	15.790	3.120	37.800
246	12.300	40.354	17.140	17.238	0.925	15.740	5.366	37.200
247	12.350	40.518	21.710	21.857	0.702	23.540	3.212	30.900
248	12.400	40.682	50.450	50.570	0.929	19.150	1.837	29.600
249	12.450	40.846	56.310	56.393	1.409	13.320	2.499	32.700
250	12.500	41.010	49.390	49.489	1.822	15.790	3.682	43.000
251	12.550	41.174	58.000	58.187	1.730	29.910	2.973	45.300
252	12.600	41.338	53.640	54.156	1.892	82.630	3.494	48.600
253	12.650	41.502	53.120	53.323	1.836	32.530	3.443	59.700
254	12.700	41.666	39.390	39.667	1.593	44.420	4.016	78.300
255	12.750	41.830	20.490	20.924	1.105	69.480	5.281	82.400
256	12.800	41.994	21.760	22.055	0.902	47.320	4.090	89.900
257	12.850	42.158	20.620	20.902	0.930	45.110	4.449	99.600
258	12.900	42.322	20.150	20.356	0.839	32.920	4.122	95.900
259	12.950	42.486	17.450	17.683	0.734	37.340	4.151	84.400
260	13.000	42.650	16.710	16.982	0.585	43.650	3.445	78.800
261	13.050	42.814	24.200	24.599	0.843	63.940	3.427	80.800
262	13.100	42.978	49.920	50.138	0.870	34.940	1.735	81.600
263	13.150	43.143	48.830	49.246	1.245	66.650	2.528	79.200
264	13.200	43.307	47.240	47.263	1.300	3.620	2.751	82.600
265	13.250	43.471	31.520	31.551	1.169	4.990	3.705	70.500
266	13.300	43.635	21.550	21.611	1.271	9.840	5.881	71.100
267	13.350	43.799	18.070	18.157	0.902	13.860	4.968	61.300
268	13.400	43.963	48.710	48.709	1.668	-0.140	3.424	45.100
269	13.450	44.127	99.560	99.707	2.396	23.540	2.403	37.800
270	13.500	44.291	159.440	159.578	3.676	22.060	2.304	29.000
271	13.550	44.455	153.850	154.033	3.329	29.240	2.161	28.700
272	13.600	44.619	105.390	105.498	2.789	17.350	2.644	29.400
273	13.650	44.783	50.310	50.390	2.385	12.840	4.733	23.000
274	13.700	44.947	36.260	36.335	1.499	11.970	4.126	23.600
275	13.750	45.111	27.220	27.377	0.957	25.150	3.496	27.100
276	13.800	45.275	41.480	41.634	1.118	24.720	2.685	25.300
277	13.850	45.439	47.020	47.230	1.357	33.640	2.873	27.900
278	13.900	45.603	72.400	72.570	1.822	27.240	2.511	25.600
279	13.950	45.767	41.080	41.210	1.711	20.800	4.152	24.300
280	14.000	45.931	30.740	31.563	1.629	131.830	5.161	38.200
281	14.050	46.095	29.220	29.600	1.333	60.900	4.503	42.700
282	14.100	46.259	32.350	32.699	1.927	55.850	5.893	44.000
283	14.150	46.423	22.040	22.057	1.553	2.660	7.041	53.800
284	14.200	46.587	12.880	13.047	0.980	26.820	7.511	58.300
285	14.250	46.751	26.820	27.271	0.445	72.280	1.632	49.300
286	14.300	46.915	26.480	26.749	0.496	43.140	1.854	47.100
287	14.350	47.079	38.760	39.061	0.529	48.290	1.354	44.400
288	14.400	47.244	78.440	78.518	0.729	12.460	0.928	33.800
289	14.450	47.408	93.580	93.631	0.849	8.100	0.907	29.800
290	14.500	47.572	92.950	93.095	1.458	23.280	1.566	21.500
291	14.550	47.736	126.530	126.759	0.935	36.760	0.738	26.400
292	14.600	47.900	110.890	111.335	1.299	71.360	1.167	21.700
293	14.650	48.064	72.760	73.075	1.549	50.510	2.120	20.600
294	14.700	48.228	47.550	47.991	1.156	70.590	2.409	17.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	57.420	57.652	0.414	37.150	0.718	26.700
296	14.800	48.556	45.880	46.041	0.271	25.870	0.589	31.400
297	14.850	48.720	19.120	19.192	0.224	11.590	1.167	47.000
298	14.900	48.884	12.320	12.457	0.210	21.870	1.686	42.800
299	14.950	49.048	12.650	12.815	0.160	26.470	1.249	52.300
300	15.000	49.212	12.870	12.949	0.103	12.700	0.795	62.700
301	15.050	49.376	11.210	11.341	0.137	20.950	1.208	66.500
302	15.100	49.540	13.190	13.444	0.232	40.730	1.726	59.800
303	15.150	49.704	18.230	18.652	0.211	67.650	1.131	69.200
304	15.200	49.868	19.600	20.114	0.286	82.270	1.422	68.400
305	15.250	50.032	28.070	28.847	0.343	124.500	1.189	71.700
306	15.300	50.196	38.110	38.455	0.258	55.260	0.671	60.300
307	15.350	50.360	25.810	26.191	0.254	61.080	0.970	65.600
308	15.400	50.524	23.910	24.205	0.208	47.260	0.859	54.800
309	15.450	50.688	18.270	19.013	0.150	119.080	0.789	50.300
310	15.500	50.852	18.610	19.289	0.762	108.820	3.950	40.500
311	15.550	51.016	17.820	18.764	1.288	151.160	6.864	39.800
312	15.600	51.180	81.460	82.014	1.069	88.800	1.303	42.000
313	15.650	51.345	84.730	85.037	1.804	49.200	2.121	38.000
314	15.700	51.509	79.420	79.595	1.942	28.110	2.440	47.300
315	15.750	51.673	91.050	91.129	2.089	12.660	2.292	50.900
316	15.800	51.837	73.620	73.857	2.701	37.990	3.657	46.100
317	15.850	52.001	81.340	81.637	2.032	47.630	2.489	50.900
318	15.900	52.165	57.340	57.443	1.666	16.430	2.900	58.400
319	15.950	52.329	27.930	28.212	1.026	45.130	3.637	57.700
320	16.000	52.493	41.390	42.049	1.037	105.530	2.466	59.000
321	16.050	52.657	34.630	35.304	0.825	107.970	2.337	73.300
322	16.100	52.821	24.960	25.685	0.804	116.190	3.130	77.100
323	16.150	52.985	22.210	22.461	0.575	40.150	2.560	78.400
324	16.200	53.149	20.410	20.731	0.336	51.350	1.621	82.600
325	16.250	53.313	17.350	17.686	0.238	53.880	1.346	80.000
326	16.300	53.477	18.060	18.465	0.254	64.810	1.376	82.700
327	16.350	53.641	17.820	18.177	0.337	57.130	1.854	90.600
328	16.400	53.805	15.860	16.307	0.655	71.610	4.017	81.400
329	16.450	53.969	37.660	38.265	0.733	96.900	1.916	83.800
330	16.500	54.133	162.200	162.309	3.814	17.530	2.350	66.700
331	16.550	54.297	110.590	110.722	2.560	21.100	2.312	53.900
332	16.600	54.461	97.650	97.890	3.960	38.380	4.045	59.100
333	16.650	54.625	96.200	96.316	2.949	18.510	3.062	52.500
334	16.700	54.789	56.620	56.739	2.545	19.100	4.485	45.600
335	16.750	54.953	67.410	67.523	0.931	18.050	1.379	48.000
336	16.800	55.117	79.010	79.152	0.634	22.700	0.801	52.200
337	16.850	55.281	16.390	16.508	0.435	18.950	2.635	57.400
338	16.900	55.446	7.760	7.878	0.582	18.870	7.388	76.200
339	16.950	55.610	9.280	9.449	0.499	27.020	5.281	85.900
340	17.000	55.774	5.740	5.892	0.099	24.350	1.680	92.300
341	17.050	55.938	2.130	2.311	0.067	29.060	2.899	87.300
342	17.100	56.102	2.170	2.358	0.087	30.110	3.690	81.300
343	17.150	56.266	4.200	4.400	0.184	32.000	4.182	94.300
344	17.200	56.430	21.430	21.567	0.496	21.990	2.300	78.500
345	17.250	56.594	13.680	13.782	0.492	16.370	3.570	91.100
346	17.300	56.758	12.240	12.353	0.243	18.140	1.967	98.400
347	17.350	56.922	12.970	13.022	0.261	8.320	2.004	111.500
348	17.400	57.086	23.090	23.110	0.274	3.250	1.186	113.900
349	17.450	57.250	28.940	28.943	0.355	0.440	1.227	115.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
350	17.500	57.414	38.020	38.005	0.506	-2.410	1.331	117.400
351	17.550	57.578	49.530	49.622	0.568	14.740	1.145	116.200
352	17.600	57.742	49.390	49.405	0.763	2.460	1.544	118.300
353	17.650	57.906	52.540	52.511	0.872	-4.710	1.661	0.000
354	17.700	58.070	40.100	40.050	1.011	-7.980	2.524	0.000
355	17.750	58.234	36.080	36.028	0.948	-8.280	2.631	0.000
356	17.800	58.398	29.820	29.770	0.777	-8.000	2.610	0.000
357	17.850	58.562	23.410	23.358	0.628	-8.250	2.689	0.000
358	17.900	58.726	15.750	15.743	0.388	-1.150	2.465	0.000
359	17.950	58.890	6.840	6.864	0.210	3.880	3.059	0.000
360	18.000	59.054	5.170	5.197	0.145	4.280	2.790	0.000
361	18.050	59.218	4.750	4.785	0.098	5.570	2.048	0.000
362	18.100	59.382	4.210	4.259	0.331	7.900	7.771	0.000
363	18.150	59.547	4.970	5.021	1.590	8.110	31.669	0.000
364	18.200	59.711	213.530	213.507	2.554	-3.670	1.196	0.000
365	18.250	59.875	110.790	110.711	2.480	-12.670	2.240	0.000
366	18.300	60.039	249.480	249.478	3.094	-0.320	1.240	0.000
367	18.350	60.203	269.190	269.198	0.000	1.270	0.000	0.000
368	18.400	60.367	352.350	352.357	0.000	1.140	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221641
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-15-6
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-22-2013
CPT Time:	13:29
CPT File:	13-53075_GP15-6.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722326.309
Northing / Lat:	4294336.743
Elevation:	142.764
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	17.590	17.602	0.004	1.980	0.023	28.600
2	0.100	0.328	20.020	20.027	0.003	1.100	0.015	34.300
3	0.150	0.492	22.400	22.400	0.083	0.070	0.371	37.600
4	0.200	0.656	21.070	21.070	0.116	-0.080	0.551	49.900
5	0.250	0.820	19.800	19.803	0.135	0.410	0.682	56.800
6	0.300	0.984	37.360	37.372	0.139	1.980	0.372	63.600
7	0.350	1.148	7.370	7.386	0.189	2.540	2.559	79.100
8	0.400	1.312	6.810	6.820	0.232	1.670	3.402	77.100
9	0.450	1.476	7.110	7.104	0.274	-1.030	3.857	93.400
10	0.500	1.640	12.400	12.385	0.273	-2.470	2.204	96.300
11	0.550	1.804	18.130	18.165	0.276	5.620	1.519	93.800
12	0.600	1.968	16.330	16.335	0.221	0.770	1.353	91.900
13	0.650	2.133	15.420	15.417	0.170	-0.530	1.103	102.200
14	0.700	2.297	12.880	12.877	0.151	-0.410	1.173	100.800
15	0.750	2.461	12.850	12.846	0.126	-0.570	0.981	105.400
16	0.800	2.625	18.140	18.142	0.141	0.290	0.777	118.300
17	0.850	2.789	28.320	28.329	0.278	1.400	0.981	102.600
18	0.900	2.953	38.690	38.704	0.415	2.260	1.072	98.400
19	0.950	3.117	44.280	44.285	0.541	0.790	1.222	107.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	50.630	50.631	0.595	0.140	1.175	83.400
21	1.050	3.445	71.810	71.813	0.644	0.560	0.897	89.800
22	1.100	3.609	71.830	71.841	0.919	1.800	1.279	91.400
23	1.150	3.773	57.400	57.405	1.180	0.880	2.056	101.100
24	1.200	3.937	44.680	44.679	1.522	-0.150	3.407	89.900
25	1.250	4.101	45.650	45.658	1.100	1.240	2.409	95.800
26	1.300	4.265	65.030	65.023	0.934	-1.080	1.436	83.000
27	1.350	4.429	15.070	15.061	0.692	-1.390	4.595	82.700
28	1.400	4.593	14.660	14.661	0.539	0.210	3.676	71.000
29	1.450	4.757	32.730	32.727	0.453	-0.550	1.384	81.000
30	1.500	4.921	24.500	24.507	0.338	1.180	1.379	68.800
31	1.550	5.085	32.220	32.229	0.364	1.420	1.129	69.300
32	1.600	5.249	37.250	37.253	0.473	0.510	1.270	58.900
33	1.650	5.413	42.800	42.802	1.110	0.380	2.593	59.500
34	1.700	5.577	59.650	59.663	1.037	2.080	1.738	53.600
35	1.750	5.741	65.670	65.809	1.405	22.310	2.135	47.400
36	1.800	5.905	79.300	79.360	1.179	9.650	1.486	36.500
37	1.850	6.069	45.410	45.470	1.120	9.630	2.463	50.700
38	1.900	6.234	19.620	19.610	0.841	-1.650	4.289	59.400
39	1.950	6.398	26.480	26.523	0.488	6.830	1.840	63.500
40	2.000	6.562	44.790	44.857	0.496	10.810	1.106	63.800
41	2.050	6.726	64.510	64.539	0.537	4.720	0.832	61.400
42	2.100	6.890	60.300	60.309	0.518	1.460	0.859	69.100
43	2.150	7.054	35.920	35.930	0.638	1.610	1.776	75.300
44	2.200	7.218	20.880	20.892	0.604	1.990	2.891	77.400
45	2.250	7.382	14.250	14.263	0.512	2.060	3.590	83.500
46	2.300	7.546	14.180	14.196	0.451	2.530	3.177	93.200
47	2.350	7.710	13.600	13.624	0.427	3.890	3.134	88.000
48	2.400	7.874	15.380	15.402	0.380	3.520	2.467	100.000
49	2.450	8.038	18.800	18.840	0.397	6.370	2.107	109.200
50	2.500	8.202	24.500	24.589	0.560	14.320	2.277	102.900
51	2.550	8.366	32.140	32.303	0.652	26.050	2.018	99.600
52	2.600	8.530	32.680	32.772	0.785	14.710	2.395	101.900
53	2.650	8.694	39.600	39.760	0.965	25.660	2.427	101.500
54	2.700	8.858	48.840	48.938	1.205	15.690	2.462	95.500
55	2.750	9.022	47.490	47.510	1.349	3.160	2.839	94.300
56	2.800	9.186	44.220	44.210	1.357	-1.670	3.069	84.400
57	2.850	9.350	39.500	39.478	1.037	-3.580	2.627	77.500
58	2.900	9.514	59.300	59.264	1.586	-5.840	2.676	66.900
59	2.950	9.678	43.430	43.380	1.351	-8.060	3.114	81.000
60	3.000	9.842	21.960	21.904	1.185	-8.900	5.410	98.200
61	3.050	10.006	16.890	16.840	0.806	-7.940	4.786	87.600
62	3.100	10.170	20.940	20.899	0.762	-6.510	3.646	85.300
63	3.150	10.335	21.180	21.146	0.776	-5.480	3.670	79.300
64	3.200	10.499	16.630	16.596	0.762	-5.460	4.591	62.800
65	3.250	10.663	16.660	16.624	0.769	-5.840	4.626	47.000
66	3.300	10.827	22.760	22.731	0.609	-4.680	2.679	44.700
67	3.350	10.991	17.320	17.304	0.495	-2.570	2.861	36.300
68	3.400	11.155	33.330	33.322	0.297	-1.220	0.891	27.100
69	3.450	11.319	50.670	50.664	0.420	-0.960	0.829	28.000
70	3.500	11.483	83.890	83.868	0.041	-3.580	0.049	28.000
71	3.550	11.647	119.790	119.788	0.279	-0.370	0.233	18.100
72	3.600	11.811	38.730	38.749	0.589	3.100	1.520	22.300
73	3.650	11.975	42.510	42.523	0.563	2.160	1.324	24.700
74	3.700	12.139	29.250	29.264	0.561	2.210	1.917	23.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	28.780	28.782	0.509	0.300	1.768	27.100
76	3.800	12.467	9.030	9.033	0.330	0.560	3.653	20.200
77	3.850	12.631	7.740	7.772	0.205	5.190	2.638	24.800
78	3.900	12.795	24.180	24.204	0.296	3.790	1.223	23.600
79	3.950	12.959	17.340	17.338	0.258	-0.350	1.488	32.300
80	4.000	13.123	8.250	8.274	0.373	3.910	4.508	33.600
81	4.050	13.287	25.550	25.554	0.517	0.590	2.023	38.300
82	4.100	13.451	17.050	17.080	0.654	4.750	3.829	48.800
83	4.150	13.615	20.340	20.373	0.627	5.320	3.078	49.300
84	4.200	13.779	27.190	27.217	0.435	4.300	1.598	65.200
85	4.250	13.943	36.630	36.650	0.314	3.260	0.857	70.600
86	4.300	14.107	38.000	38.012	0.284	1.990	0.747	73.300
87	4.350	14.271	32.250	32.256	0.324	0.950	1.004	69.000
88	4.400	14.436	25.180	25.175	0.323	-0.810	1.283	65.000
89	4.450	14.600	19.120	19.108	0.268	-1.940	1.403	51.900
90	4.500	14.764	11.810	11.799	0.302	-1.830	2.560	43.200
91	4.550	14.928	8.290	8.323	0.275	5.240	3.304	40.700
92	4.600	15.092	14.850	14.901	0.360	8.180	2.416	35.300
93	4.650	15.256	42.640	42.685	0.824	7.150	1.930	36.900
94	4.700	15.420	34.020	34.073	0.784	8.510	2.301	35.700
95	4.750	15.584	28.930	28.971	1.060	6.560	3.659	39.600
96	4.800	15.748	44.730	44.754	0.832	3.830	1.859	46.200
97	4.850	15.912	17.500	17.581	0.811	12.940	4.613	48.000
98	4.900	16.076	14.340	14.348	0.485	1.330	3.380	58.100
99	4.950	16.240	20.910	20.919	0.439	1.520	2.099	55.400
100	5.000	16.404	17.740	17.745	0.465	0.800	2.620	71.500
101	5.050	16.568	14.500	14.503	0.586	0.410	4.041	74.200
102	5.100	16.732	42.770	42.819	1.140	7.910	2.662	86.000
103	5.150	16.896	79.640	79.643	1.599	0.490	2.008	80.500
104	5.200	17.060	94.840	94.830	1.826	-1.570	1.926	98.700
105	5.250	17.224	77.600	77.574	1.702	-4.120	2.194	90.500
106	5.300	17.388	62.710	62.668	1.820	-6.750	2.904	96.700
107	5.350	17.552	67.140	67.096	1.678	-7.090	2.501	87.500
108	5.400	17.716	71.220	71.181	1.607	-6.320	2.258	81.100
109	5.450	17.880	53.160	53.113	1.330	-7.510	2.504	68.800
110	5.500	18.044	37.910	37.853	1.109	-9.080	2.930	56.900
111	5.550	18.208	30.130	30.135	1.016	0.860	3.371	44.100
112	5.600	18.372	23.920	23.921	0.883	0.190	3.691	38.800
113	5.650	18.537	23.980	23.992	0.821	1.900	3.422	35.300
114	5.700	18.701	23.200	23.204	0.697	0.630	3.004	26.400
115	5.750	18.865	12.760	12.761	0.478	0.170	3.746	25.300
116	5.800	19.029	24.800	24.800	0.428	0.080	1.726	20.500
117	5.850	19.193	24.710	24.726	0.310	2.600	1.254	25.500
118	5.900	19.357	13.520	13.531	0.452	1.750	3.340	19.400
119	5.950	19.521	12.800	12.810	0.463	1.570	3.614	23.300
120	6.000	19.685	22.580	22.605	0.682	3.930	3.017	18.500
121	6.050	19.849	31.160	31.201	0.800	6.570	2.564	13.400
122	6.100	20.013	21.220	21.248	0.774	4.440	3.643	14.600
123	6.150	20.177	17.180	17.237	0.685	9.160	3.974	14.300
124	6.200	20.341	17.640	17.658	0.859	2.950	4.865	9.000
125	6.250	20.505	24.060	24.063	0.882	0.450	3.665	20.600
126	6.300	20.669	17.720	17.728	0.991	1.240	5.590	16.000
127	6.350	20.833	19.050	19.070	0.997	3.170	5.228	13.600
128	6.400	20.997	23.290	23.333	0.914	6.920	3.917	29.900
129	6.450	21.161	23.170	23.229	0.850	9.410	3.659	15.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	23.570	23.616	0.671	7.350	2.841	16.200
131	6.550	21.489	15.590	15.619	0.395	4.690	2.529	20.400
132	6.600	21.653	20.060	20.086	0.710	4.180	3.535	24.600
133	6.650	21.817	24.460	24.479	0.770	3.040	3.146	18.900
134	6.700	21.981	48.140	48.171	1.094	5.020	2.271	27.100
135	6.750	22.145	26.560	26.621	1.048	9.720	3.937	33.000
136	6.800	22.309	27.800	27.810	0.852	1.680	3.064	43.300
137	6.850	22.473	21.920	21.971	0.639	8.120	2.908	61.500
138	6.900	22.638	30.460	30.544	1.239	13.390	4.056	57.800
139	6.950	22.802	24.080	24.162	1.063	13.070	4.400	55.900
140	7.000	22.966	71.080	71.106	0.887	4.180	1.247	60.800
141	7.050	23.130	73.330	73.348	1.375	2.820	1.875	66.800
142	7.100	23.294	31.990	32.006	1.469	2.540	4.590	67.500
143	7.150	23.458	38.000	38.161	1.046	25.840	2.741	70.200
144	7.200	23.622	21.540	21.896	0.781	57.090	3.567	77.300
145	7.250	23.786	17.670	17.922	0.619	40.340	3.454	69.000
146	7.300	23.950	16.730	16.908	0.642	28.480	3.797	63.400
147	7.350	24.114	16.430	16.618	0.643	30.170	3.869	56.100
148	7.400	24.278	25.760	26.117	0.947	57.170	3.626	41.900
149	7.450	24.442	46.680	46.841	0.964	25.860	2.058	37.600
150	7.500	24.606	38.150	38.224	1.420	11.920	3.715	31.300
151	7.550	24.770	34.870	34.942	1.579	11.460	4.519	28.200
152	7.600	24.934	32.350	32.483	1.423	21.230	4.381	19.600
153	7.650	25.098	38.660	38.806	1.636	23.320	4.216	17.200
154	7.700	25.262	102.720	102.806	1.124	13.740	1.093	14.900
155	7.750	25.426	98.410	98.468	1.011	9.260	1.027	13.800
156	7.800	25.590	222.520	222.560	1.700	6.380	0.764	15.400
157	7.850	25.754	126.410	126.442	1.827	5.050	1.445	14.500
158	7.900	25.918	41.110	41.163	1.718	8.410	4.174	17.600
159	7.950	26.082	30.590	30.676	1.227	13.700	4.000	17.200
160	8.000	26.246	26.730	26.794	1.191	10.190	4.445	19.900
161	8.050	26.410	16.300	16.362	1.149	9.860	7.023	14.400
162	8.100	26.574	58.240	58.469	2.729	36.650	4.667	18.500
163	8.150	26.739	210.390	210.482	2.856	14.670	1.357	13.700
164	8.200	26.903	113.780	113.794	3.745	2.190	3.291	22.400
165	8.250	27.067	138.440	138.714	3.407	43.970	2.456	26.000
166	8.300	27.231	61.450	61.576	2.396	20.240	3.891	25.500
167	8.350	27.395	58.210	59.449	2.087	198.420	3.511	23.400
168	8.400	27.559	56.690	56.734	1.493	7.060	2.632	22.900
169	8.450	27.723	31.580	31.645	1.018	10.480	3.217	28.000
170	8.500	27.887	22.440	22.471	1.036	4.930	4.610	39.200
171	8.550	28.051	31.010	31.080	1.138	11.180	3.662	47.400
172	8.600	28.215	30.060	30.110	0.933	7.990	3.099	71.800
173	8.650	28.379	14.480	14.703	0.909	35.780	6.182	59.400
174	8.700	28.543	13.460	13.702	0.551	38.720	4.021	66.600
175	8.750	28.707	13.660	13.904	0.669	39.060	4.812	56.300
176	8.800	28.871	16.320	16.624	0.789	48.710	4.746	63.700
177	8.850	29.035	35.660	36.081	0.895	67.450	2.481	53.200
178	8.900	29.199	37.460	37.678	1.014	34.940	2.691	67.700
179	8.950	29.363	55.910	56.279	1.470	59.080	2.612	60.200
180	9.000	29.527	59.390	59.441	1.925	8.100	3.239	53.300
181	9.050	29.691	105.880	106.008	1.907	20.500	1.799	41.600
182	9.100	29.855	146.120	146.239	2.631	19.070	1.799	32.400
183	9.150	30.019	112.220	112.274	3.039	8.730	2.707	27.800
184	9.200	30.183	58.570	58.616	2.757	7.310	4.704	22.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	64.680	64.793	2.311	18.140	3.567	19.800
186	9.300	30.511	56.310	56.332	2.240	3.470	3.976	19.300
187	9.350	30.675	78.880	78.975	2.088	15.160	2.644	16.600
188	9.400	30.840	81.950	82.036	1.601	13.780	1.952	9.800
189	9.450	31.004	70.090	70.113	1.970	3.740	2.810	12.300
190	9.500	31.168	81.130	81.157	2.385	4.270	2.939	11.400
191	9.550	31.332	60.240	60.303	1.962	10.100	3.254	12.500
192	9.600	31.496	53.030	53.071	2.010	6.630	3.787	12.300
193	9.650	31.660	59.970	60.256	2.350	45.830	3.900	9.300
194	9.700	31.824	41.150	41.293	1.937	22.960	4.691	13.400
195	9.750	31.988	47.630	48.890	2.097	201.800	4.289	14.700
196	9.800	32.152	48.700	48.903	1.650	32.590	3.374	17.400
197	9.850	32.316	79.720	79.902	1.738	29.200	2.175	15.400
198	9.900	32.480	128.540	128.726	1.961	29.820	1.523	19.000
199	9.950	32.644	92.620	93.632	2.618	162.090	2.796	25.000
200	10.000	32.808	62.800	62.905	2.439	16.810	3.877	24.200
201	10.050	32.972	45.330	45.484	1.811	24.720	3.982	34.700
202	10.100	33.136	49.710	49.775	1.402	10.430	2.817	42.800
203	10.150	33.300	39.830	39.936	1.156	17.020	2.895	46.800
204	10.200	33.464	39.350	39.440	1.184	14.480	3.002	56.000
205	10.250	33.628	89.320	89.470	1.035	23.970	1.157	72.500
206	10.300	33.792	128.630	128.717	1.307	13.860	1.015	74.900
207	10.350	33.956	142.180	142.226	1.956	7.360	1.375	71.200
208	10.400	34.120	130.410	130.445	2.191	5.660	1.680	53.600
209	10.450	34.284	101.000	101.024	2.371	3.890	2.347	44.300
210	10.500	34.448	61.950	61.975	2.384	4.000	3.847	38.400
211	10.550	34.612	108.440	108.522	2.773	13.110	2.555	29.100
212	10.600	34.776	66.630	66.827	2.457	31.580	3.677	20.800
213	10.650	34.941	121.150	121.553	3.216	64.500	2.646	21.100
214	10.700	35.105	89.130	89.350	2.815	35.320	3.151	19.900
215	10.750	35.269	68.270	68.359	2.734	14.220	3.999	18.400
216	10.800	35.433	41.150	41.225	1.625	12.020	3.942	17.500
217	10.850	35.597	32.460	32.553	1.707	14.960	5.244	17.600
218	10.900	35.761	29.800	30.026	1.604	36.200	5.342	17.700
219	10.950	35.925	41.290	41.517	1.471	36.410	3.543	20.900
220	11.000	36.089	53.200	53.390	1.757	30.390	3.291	16.800
221	11.050	36.253	44.010	44.166	2.056	24.970	4.655	18.900
222	11.100	36.417	42.240	43.310	1.768	171.370	4.082	34.100
223	11.150	36.581	32.610	32.845	1.505	37.600	4.582	31.100
224	11.200	36.745	62.670	62.923	1.611	40.560	2.560	35.900
225	11.250	36.909	55.710	55.895	1.800	29.680	3.220	32.700
226	11.300	37.073	47.000	47.174	1.526	27.830	3.235	51.800
227	11.350	37.237	39.560	39.698	1.243	22.040	3.131	50.400
228	11.400	37.401	31.440	31.586	0.907	23.410	2.872	62.500
229	11.450	37.565	20.270	20.483	0.643	34.130	3.139	68.200
230	11.500	37.729	18.510	18.865	0.421	56.870	2.232	82.600
231	11.550	37.893	18.990	19.613	0.356	99.850	1.815	81.900
232	11.600	38.057	17.300	17.909	0.324	97.500	1.809	90.400
233	11.650	38.221	16.250	17.123	0.331	139.910	1.933	89.500
234	11.700	38.385	16.160	17.154	0.297	159.250	1.731	82.900
235	11.750	38.549	17.350	18.258	0.288	145.410	1.577	86.600
236	11.800	38.713	18.880	19.518	0.327	102.200	1.675	86.500
237	11.850	38.877	24.750	25.507	0.519	121.290	2.035	94.900
238	11.900	39.042	26.930	27.338	0.499	65.310	1.825	97.100
239	11.950	39.206	42.250	43.022	0.705	123.710	1.639	86.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	57.970	58.220	0.958	40.110	1.645	87.300
241	12.050	39.534	48.470	48.675	1.026	32.880	2.108	88.100
242	12.100	39.698	34.820	35.059	0.827	38.290	2.359	86.900
243	12.150	39.862	31.450	31.868	1.275	67.030	4.001	0.000
244	12.200	40.026	34.280	34.794	1.045	82.260	3.003	0.000
245	12.250	40.190	100.690	101.389	2.369	112.040	2.337	0.000
246	12.300	40.354	135.120	135.308	3.195	30.160	2.361	0.000
247	12.350	40.518	95.530	95.676	3.786	23.330	3.957	0.000
248	12.400	40.682	112.950	113.247	3.761	47.550	3.321	0.000
249	12.450	40.846	134.860	135.264	3.491	64.670	2.581	0.000
250	12.500	41.010	47.750	47.971	3.414	35.330	7.117	0.000
251	12.550	41.174	59.100	59.303	1.723	32.500	2.905	0.000
252	12.600	41.338	87.570	87.800	1.332	36.830	1.517	0.000
253	12.650	41.502	51.540	52.088	1.557	87.810	2.989	0.000
254	12.700	41.666	26.660	27.025	2.396	58.390	8.866	0.000
255	12.750	41.830	35.340	35.686	2.470	55.500	6.921	0.000
256	12.800	41.994	89.640	89.717	2.438	12.390	2.717	0.000
257	12.850	42.158	133.200	133.341	0.000	22.520	0.000	0.000
258	12.900	42.322	320.900	321.072	0.000	27.480	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221643
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-15-7
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-22-2013
CPT Time:	12:53
CPT File:	13-53075_GP15-7.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722335.020
Northing / Lat:	4294324.359
Elevation:	143.780
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	4.100	4.110	0.001	1.570	0.024	27.800
2	0.100	0.328	20.360	20.394	0.000	5.520	0.000	32.400
3	0.150	0.492	33.240	33.252	0.009	1.900	0.027	42.600
4	0.200	0.656	47.110	47.116	0.172	0.970	0.365	36.700
5	0.250	0.820	46.310	46.375	0.207	10.470	0.446	50.700
6	0.300	0.984	43.120	43.161	0.174	6.560	0.403	59.800
7	0.350	1.148	36.700	36.746	0.216	7.390	0.588	78.000
8	0.400	1.312	22.290	22.394	0.288	16.600	1.286	86.800
9	0.450	1.476	17.160	17.192	0.380	5.070	2.210	93.000
10	0.500	1.640	20.000	20.022	0.395	3.600	1.973	86.800
11	0.550	1.804	27.040	27.066	0.368	4.130	1.360	86.000
12	0.600	1.968	50.760	50.822	0.498	9.880	0.980	95.800
13	0.650	2.133	73.970	73.981	0.911	1.750	1.231	101.900
14	0.700	2.297	96.400	96.407	0.891	1.070	0.924	95.900
15	0.750	2.461	99.280	99.288	0.719	1.220	0.724	107.400
16	0.800	2.625	108.030	108.041	0.767	1.740	0.710	97.200
17	0.850	2.789	102.720	102.737	0.828	2.690	0.806	85.400
18	0.900	2.953	98.710	98.724	0.915	2.220	0.927	91.600
19	0.950	3.117	93.090	93.080	1.340	-1.540	1.440	83.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	89.360	89.363	1.091	0.440	1.221	80.900
21	1.050	3.445	70.580	70.621	1.091	6.490	1.545	80.300
22	1.100	3.609	54.680	55.141	1.349	73.920	2.446	81.400
23	1.150	3.773	47.090	47.087	0.984	-0.520	2.090	74.300
24	1.200	3.937	19.250	19.331	0.789	13.010	4.081	83.300
25	1.250	4.101	16.470	16.513	0.537	6.950	3.252	90.100
26	1.300	4.265	15.180	15.241	0.469	9.810	3.077	73.500
27	1.350	4.429	13.050	13.060	0.413	1.640	3.162	75.300
28	1.400	4.593	15.460	15.438	0.930	-3.600	6.024	47.100
29	1.450	4.757	91.470	91.430	1.046	-6.410	1.144	58.100
30	1.500	4.921	36.990	36.984	1.272	-0.980	3.439	55.900
31	1.550	5.085	44.790	44.810	0.933	3.180	2.082	46.000
32	1.600	5.249	13.350	13.353	0.699	0.480	5.235	63.100
33	1.650	5.413	10.400	10.449	0.398	7.870	3.809	73.300
34	1.700	5.577	23.550	23.566	0.293	2.490	1.243	64.900
35	1.750	5.741	25.730	25.702	0.319	-4.430	1.241	54.000
36	1.800	5.905	32.210	32.181	0.496	-4.650	1.541	49.200
37	1.850	6.069	59.450	59.455	1.728	0.740	2.906	33.400
38	1.900	6.234	67.670	67.670	1.962	-0.070	2.899	40.500
39	1.950	6.398	47.540	47.539	1.477	-0.190	3.107	32.500
40	2.000	6.562	10.260	10.269	0.801	1.430	7.800	34.000
41	2.050	6.726	9.960	9.972	0.403	1.850	4.041	29.100
42	2.100	6.890	13.740	13.786	0.335	7.360	2.430	36.300
43	2.150	7.054	10.560	10.664	0.351	16.670	3.291	35.700
44	2.200	7.218	22.290	22.349	0.280	9.470	1.253	36.400
45	2.250	7.382	41.270	41.280	0.337	1.610	0.816	54.700
46	2.300	7.546	30.860	30.839	0.568	-3.290	1.842	49.100
47	2.350	7.710	22.000	22.044	0.503	7.030	2.282	66.100
48	2.400	7.874	27.120	27.127	0.596	1.170	2.197	69.000
49	2.450	8.038	29.830	29.853	0.580	3.760	1.943	81.100
50	2.500	8.202	34.970	34.978	0.646	1.280	1.847	88.100
51	2.550	8.366	33.450	33.431	0.714	-3.000	2.136	82.200
52	2.600	8.530	33.690	33.684	0.658	-1.030	1.953	76.500
53	2.650	8.694	33.290	33.243	0.766	-7.490	2.304	76.900
54	2.700	8.858	38.950	38.904	0.867	-7.350	2.229	78.600
55	2.750	9.022	44.800	44.821	0.814	3.310	1.816	74.100
56	2.800	9.186	75.600	75.616	1.289	2.630	1.705	76.000
57	2.850	9.350	85.580	85.665	1.600	13.680	1.868	80.500
58	2.900	9.514	133.470	133.507	1.981	5.890	1.484	85.000
59	2.950	9.678	115.720	115.684	2.209	-5.750	1.910	81.500
60	3.000	9.842	88.860	88.807	1.612	-8.410	1.815	81.700
61	3.050	10.006	100.740	100.691	1.280	-7.850	1.271	73.500
62	3.100	10.170	144.320	144.318	2.555	-0.280	1.770	50.600
63	3.150	10.335	89.840	89.839	2.915	-0.140	3.245	41.200
64	3.200	10.499	24.790	24.791	2.422	0.160	9.770	38.300
65	3.250	10.663	35.440	35.619	0.664	28.720	1.864	34.600
66	3.300	10.827	52.750	52.759	0.480	1.490	0.910	24.200
67	3.350	10.991	46.550	46.555	0.809	0.840	1.738	24.000
68	3.400	11.155	61.500	61.576	0.480	12.110	0.780	20.400
69	3.450	11.319	52.200	52.202	2.207	0.270	4.228	23.800
70	3.500	11.483	94.210	94.245	2.306	5.560	2.447	21.400
71	3.550	11.647	111.420	111.445	2.827	4.040	2.537	11.300
72	3.600	11.811	122.920	122.911	2.620	-1.480	2.132	12.100
73	3.650	11.975	91.830	91.852	2.488	3.600	2.709	13.800
74	3.700	12.139	72.270	72.376	1.663	17.000	2.298	23.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	101.690	101.726	1.587	5.780	1.560	19.200
76	3.800	12.467	53.460	53.461	1.340	0.110	2.507	20.200
77	3.850	12.631	23.070	23.091	0.818	3.400	3.542	23.600
78	3.900	12.795	56.140	56.159	0.645	2.970	1.149	19.900
79	3.950	12.959	63.570	63.807	1.005	38.020	1.575	20.200
80	4.000	13.123	44.370	44.640	1.274	43.310	2.854	15.700
81	4.050	13.287	41.070	41.103	0.961	5.310	2.338	15.600
82	4.100	13.451	31.320	31.318	0.874	-0.250	2.791	23.700
83	4.150	13.615	29.530	29.531	0.640	0.100	2.167	19.600
84	4.200	13.779	18.340	18.315	0.394	-3.930	2.151	18.800
85	4.250	13.943	13.910	13.922	0.248	1.990	1.781	18.400
86	4.300	14.107	15.610	15.610	0.152	-0.030	0.974	11.700
87	4.350	14.271	33.820	33.813	0.353	-1.080	1.044	17.200
88	4.400	14.436	56.020	56.066	0.565	7.430	1.008	24.900
89	4.450	14.600	17.280	17.437	0.791	25.120	4.536	22.500
90	4.500	14.764	20.240	20.244	0.811	0.690	4.006	24.600
91	4.550	14.928	27.390	27.392	0.917	0.320	3.348	29.200
92	4.600	15.092	52.190	52.202	1.511	1.980	2.895	32.600
93	4.650	15.256	41.990	41.974	1.497	-2.580	3.567	35.700
94	4.700	15.420	21.060	21.057	1.366	-0.410	6.487	44.300
95	4.750	15.584	32.860	32.859	0.733	-0.200	2.231	61.500
96	4.800	15.748	28.160	28.231	0.552	11.390	1.955	70.200
97	4.850	15.912	26.280	26.276	0.493	-0.690	1.876	69.600
98	4.900	16.076	23.930	23.925	0.413	-0.790	1.726	64.900
99	4.950	16.240	19.130	19.128	0.520	-0.310	2.719	79.100
100	5.000	16.404	19.450	19.461	0.317	1.700	1.629	66.500
101	5.050	16.568	24.690	24.666	0.329	-3.780	1.334	63.500
102	5.100	16.732	19.810	19.790	0.433	-3.240	2.188	62.300
103	5.150	16.896	21.920	21.910	0.581	-1.630	2.652	51.700
104	5.200	17.060	27.410	27.402	0.741	-1.290	2.704	52.600
105	5.250	17.224	60.380	60.382	0.936	0.370	1.550	42.400
106	5.300	17.388	106.470	106.506	1.262	5.760	1.185	29.200
107	5.350	17.552	178.710	178.788	1.779	12.450	0.995	36.500
108	5.400	17.716	74.150	74.118	1.954	-5.150	2.636	37.500
109	5.450	17.880	33.350	33.357	1.747	1.200	5.237	43.600
110	5.500	18.044	25.840	25.913	0.864	11.640	3.334	46.800
111	5.550	18.208	23.900	23.903	0.907	0.490	3.794	44.000
112	5.600	18.372	62.200	62.218	1.124	2.960	1.807	52.700
113	5.650	18.537	30.910	30.894	1.147	-2.620	3.713	48.600
114	5.700	18.701	19.600	19.609	1.039	1.430	5.299	45.500
115	5.750	18.865	20.480	20.499	0.621	3.030	3.029	38.600
116	5.800	19.029	23.230	23.211	0.727	-3.000	3.132	28.400
117	5.850	19.193	34.040	34.115	1.129	11.990	3.309	18.900
118	5.900	19.357	50.410	50.427	1.077	2.670	2.136	29.700
119	5.950	19.521	44.850	44.838	0.598	-1.940	1.334	26.500
120	6.000	19.685	25.990	25.969	1.444	-3.310	5.560	33.800
121	6.050	19.849	57.430	57.561	1.610	20.930	2.797	29.600
122	6.100	20.013	87.050	87.214	1.762	26.280	2.020	37.100
123	6.150	20.177	142.480	142.823	0.790	55.000	0.553	48.800
124	6.200	20.341	126.710	127.244	0.117	85.520	0.092	64.500
125	6.250	20.505	91.190	91.205	0.242	2.470	0.265	51.700
126	6.300	20.669	60.240	60.334	0.181	15.090	0.300	66.100
127	6.350	20.833	50.900	51.234	0.185	53.430	0.361	72.100
128	6.400	20.997	39.080	39.290	0.127	33.580	0.323	73.500
129	6.450	21.161	44.030	44.174	0.183	23.050	0.414	89.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	39.940	39.959	0.352	3.080	0.881	79.200
131	6.550	21.489	34.110	34.377	0.277	42.810	0.806	81.500
132	6.600	21.653	39.640	40.177	0.129	86.090	0.321	83.400
133	6.650	21.817	31.810	32.339	0.247	84.810	0.764	61.500
134	6.700	21.981	28.820	28.890	0.582	11.180	2.015	72.200
135	6.750	22.145	24.220	24.453	0.336	37.250	1.374	60.700
136	6.800	22.309	41.020	41.031	0.124	1.790	0.302	68.300
137	6.850	22.473	69.900	70.070	0.432	27.280	0.617	70.800
138	6.900	22.638	81.470	81.454	0.514	-2.630	0.631	83.300
139	6.950	22.802	73.890	73.959	0.222	11.040	0.300	82.600
140	7.000	22.966	41.940	41.985	0.073	7.200	0.174	81.500
141	7.050	23.130	31.250	31.311	0.114	9.810	0.364	94.000
142	7.100	23.294	31.980	32.122	0.200	22.800	0.623	96.200
143	7.150	23.458	29.530	29.774	0.138	39.140	0.463	90.800
144	7.200	23.622	34.370	34.491	0.107	19.370	0.310	91.400
145	7.250	23.786	29.980	30.132	0.098	24.290	0.325	87.700
146	7.300	23.950	28.070	28.138	0.139	10.930	0.494	91.300
147	7.350	24.114	30.740	30.851	0.203	17.860	0.658	93.900
148	7.400	24.278	31.410	31.576	0.462	26.640	1.463	86.300
149	7.450	24.442	34.360	34.688	0.550	52.560	1.586	99.200
150	7.500	24.606	40.630	41.138	0.692	81.320	1.682	100.500
151	7.550	24.770	40.850	41.487	0.782	102.020	1.885	95.500
152	7.600	24.934	45.150	45.969	0.723	131.260	1.573	91.200
153	7.650	25.098	50.590	51.460	0.780	139.360	1.516	79.000
154	7.700	25.262	59.590	60.642	1.200	168.550	1.979	71.500
155	7.750	25.426	89.430	90.555	1.650	180.130	1.822	75.100
156	7.800	25.590	130.460	132.078	1.952	259.190	1.478	61.500
157	7.850	25.754	199.650	199.859	1.700	33.520	0.851	62.600
158	7.900	25.918	222.200	222.248	0.619	7.610	0.279	74.800
159	7.950	26.082	166.490	166.533	0.834	6.900	0.501	76.500
160	8.000	26.246	129.690	129.692	0.498	0.380	0.384	80.300
161	8.050	26.410	83.120	83.485	0.331	58.540	0.396	85.900
162	8.100	26.574	66.230	66.542	0.365	49.970	0.549	82.100
163	8.150	26.739	50.670	50.975	0.298	48.900	0.585	71.300
164	8.200	26.903	52.310	52.721	0.428	65.890	0.812	61.300
165	8.250	27.067	65.290	65.393	0.564	16.560	0.862	67.600
166	8.300	27.231	60.740	60.748	0.706	1.240	1.162	67.000
167	8.350	27.395	73.200	73.702	0.793	80.430	1.076	59.700
168	8.400	27.559	82.140	82.794	0.810	104.750	0.978	63.300
169	8.450	27.723	66.560	66.889	0.740	52.660	1.106	68.600
170	8.500	27.887	66.100	67.150	0.752	168.160	1.120	59.300
171	8.550	28.051	67.550	68.254	0.459	112.700	0.672	53.400
172	8.600	28.215	73.080	73.679	0.510	95.940	0.692	52.400
173	8.650	28.379	62.830	63.008	0.227	28.540	0.360	36.000
174	8.700	28.543	66.850	66.862	0.225	1.960	0.337	32.900
175	8.750	28.707	58.410	58.463	0.185	8.420	0.316	26.000
176	8.800	28.871	47.310	47.321	0.285	1.770	0.602	21.800
177	8.850	29.035	39.000	39.025	0.272	3.930	0.697	14.300
178	8.900	29.199	32.730	32.753	0.519	3.740	1.585	18.000
179	8.950	29.363	37.330	37.354	0.816	3.840	2.185	15.300
180	9.000	29.527	66.270	66.329	1.279	9.460	1.928	10.500
181	9.050	29.691	121.980	122.073	1.526	14.900	1.250	9.700
182	9.100	29.855	94.720	94.826	1.167	17.010	1.231	11.800
183	9.150	30.019	105.640	105.677	0.836	5.880	0.791	7.000
184	9.200	30.183	119.820	119.924	0.729	16.620	0.608	9.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	52.340	52.608	1.425	42.910	2.709	10.100
186	9.300	30.511	71.110	71.713	1.655	96.620	2.308	12.000
187	9.350	30.675	126.610	127.074	2.567	74.270	2.020	11.000
188	9.400	30.840	117.340	117.551	1.688	33.740	1.436	10.400
189	9.450	31.004	175.270	175.360	0.898	14.340	0.512	15.300
190	9.500	31.168	199.220	199.245	0.506	3.940	0.254	16.400
191	9.550	31.332	173.530	173.595	0.591	10.490	0.340	20.300
192	9.600	31.496	137.100	137.220	0.801	19.230	0.584	30.300
193	9.650	31.660	135.640	135.760	0.483	19.250	0.356	30.100
194	9.700	31.824	130.360	130.665	0.932	48.840	0.713	29.000
195	9.750	31.988	115.720	115.807	1.978	14.010	1.708	30.400
196	9.800	32.152	129.860	130.043	0.782	29.340	0.601	36.500
197	9.850	32.316	204.010	204.210	0.728	32.010	0.356	34.300
198	9.900	32.480	76.600	76.590	0.403	-1.580	0.526	55.700
199	9.950	32.644	75.870	75.944	0.722	11.780	0.951	51.100
200	10.000	32.808	49.770	49.928	1.036	25.370	2.075	55.200
201	10.050	32.972	110.360	110.711	1.095	56.230	0.989	45.500
202	10.100	33.136	153.330	153.593	0.953	42.170	0.620	46.800
203	10.150	33.300	169.440	169.481	1.603	6.610	0.946	59.900
204	10.200	33.464	105.660	105.699	2.097	6.280	1.984	59.900
205	10.250	33.628	69.880	70.056	1.825	28.200	2.605	85.000
206	10.300	33.792	46.020	46.270	1.726	40.060	3.730	97.800
207	10.350	33.956	41.660	42.090	1.346	68.810	3.198	86.800
208	10.400	34.120	61.010	61.692	1.710	109.270	2.772	95.800
209	10.450	34.284	76.800	76.865	1.971	10.350	2.564	97.000
210	10.500	34.448	75.520	75.703	2.327	29.370	3.074	107.200
211	10.550	34.612	64.260	64.277	2.284	2.650	3.553	89.000
212	10.600	34.776	57.340	57.430	1.893	14.490	3.296	80.000
213	10.650	34.941	49.910	49.974	1.610	10.270	3.222	88.500
214	10.700	35.105	33.640	34.026	1.428	61.820	4.197	62.000
215	10.750	35.269	45.140	45.574	1.783	69.560	3.912	65.100
216	10.800	35.433	61.810	62.188	1.919	60.620	3.086	52.800
217	10.850	35.597	85.830	86.418	1.748	94.160	2.023	43.100
218	10.900	35.761	40.210	40.413	2.141	32.500	5.298	43.500
219	10.950	35.925	54.220	54.366	1.904	23.320	3.502	31.600
220	11.000	36.089	57.450	57.523	1.848	11.670	3.213	35.300
221	11.050	36.253	57.100	57.191	2.103	14.550	3.677	29.400
222	11.100	36.417	78.740	78.875	1.456	21.570	1.846	27.300
223	11.150	36.581	38.980	39.081	1.305	16.230	3.339	27.800
224	11.200	36.745	33.410	33.488	1.212	12.450	3.619	31.800
225	11.250	36.909	34.700	34.909	1.247	33.420	3.572	45.000
226	11.300	37.073	61.940	62.141	1.455	32.180	2.341	56.500
227	11.350	37.237	57.200	57.340	1.332	22.410	2.323	67.000
228	11.400	37.401	36.640	37.010	1.002	59.290	2.707	72.600
229	11.450	37.565	28.520	28.854	1.112	53.480	3.854	75.400
230	11.500	37.729	38.030	38.476	0.805	71.420	2.092	78.400
231	11.550	37.893	32.200	32.364	0.765	26.290	2.364	70.900
232	11.600	38.057	41.580	41.646	1.327	10.500	3.186	71.200
233	11.650	38.221	60.090	60.116	1.018	4.200	1.693	78.900
234	11.700	38.385	26.830	27.015	1.134	29.600	4.198	95.500
235	11.750	38.549	30.180	30.323	0.542	22.980	1.787	80.900
236	11.800	38.713	30.290	30.448	0.455	25.300	1.494	83.900
237	11.850	38.877	23.950	24.087	0.505	22.020	2.097	75.200
238	11.900	39.042	30.730	30.910	0.863	28.780	2.792	66.500
239	11.950	39.206	43.160	43.371	1.049	33.760	2.419	42.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	86.930	87.147	1.672	34.790	1.919	36.500
241	12.050	39.534	73.460	73.593	1.939	21.260	2.635	29.300
242	12.100	39.698	54.950	55.010	2.320	9.550	4.217	25.800
243	12.150	39.862	51.430	51.551	2.213	19.410	4.293	13.200
244	12.200	40.026	55.140	55.311	1.996	27.380	3.609	22.800
245	12.250	40.190	57.050	57.149	1.837	15.850	3.214	21.400
246	12.300	40.354	88.500	88.557	1.874	9.200	2.116	17.300
247	12.350	40.518	68.640	68.735	2.330	15.160	3.390	21.200
248	12.400	40.682	52.270	52.483	2.059	34.190	3.923	20.100
249	12.450	40.846	59.940	60.132	1.803	30.700	2.998	17.100
250	12.500	41.010	29.890	30.044	2.097	24.600	6.980	22.400
251	12.550	41.174	41.620	41.975	1.709	56.910	4.071	21.300
252	12.600	41.338	76.270	76.380	1.620	17.640	2.121	27.700
253	12.650	41.502	76.040	76.109	1.456	11.080	1.913	26.600
254	12.700	41.666	66.660	66.830	1.647	27.220	2.464	39.300
255	12.750	41.830	69.700	69.752	1.186	8.290	1.700	43.300
256	12.800	41.994	30.660	30.787	0.900	20.340	2.923	54.400
257	12.850	42.158	19.730	19.926	0.634	31.470	3.182	58.600
258	12.900	42.322	24.850	25.171	0.437	51.480	1.736	69.500
259	12.950	42.486	28.780	29.054	0.663	43.920	2.282	59.800
260	13.000	42.650	63.810	64.208	0.774	63.690	1.205	47.100
261	13.050	42.814	88.030	88.313	1.071	45.280	1.213	40.800
262	13.100	42.978	88.990	89.180	1.634	30.450	1.832	41.500
263	13.150	43.143	95.430	95.518	1.753	14.140	1.835	37.000
264	13.200	43.307	84.850	85.044	1.982	31.080	2.331	46.400
265	13.250	43.471	54.830	54.915	1.835	13.650	3.342	55.300
266	13.300	43.635	28.960	29.349	1.716	62.270	5.847	69.500
267	13.350	43.799	52.240	52.762	1.381	83.630	2.617	67.500
268	13.400	43.963	39.030	39.084	2.806	8.680	7.179	69.800
269	13.450	44.127	28.240	28.239	3.384	-0.230	11.984	70.800
270	13.500	44.291	167.150	167.221	1.653	11.310	0.989	68.900
271	13.550	44.455	183.500	183.569	2.151	11.050	1.172	68.000
272	13.600	44.619	114.940	115.020	3.454	12.880	3.003	83.500
273	13.650	44.783	79.610	79.685	3.802	12.050	4.771	68.600
274	13.700	44.947	58.490	58.682	1.713	30.760	2.919	78.600
275	13.750	45.111	44.220	44.458	0.954	38.080	2.146	91.500
276	13.800	45.275	47.880	47.886	0.873	1.000	1.823	90.000
277	13.850	45.439	22.730	22.788	0.833	9.360	3.655	86.200
278	13.900	45.603	21.300	21.494	0.642	31.120	2.987	99.600
279	13.950	45.767	23.470	23.698	0.448	36.560	1.890	92.100
280	14.000	45.931	21.550	21.761	0.469	33.820	2.155	89.900
281	14.050	46.095	18.450	18.681	0.496	36.940	2.655	92.200
282	14.100	46.259	25.430	25.654	0.480	35.850	1.871	88.400
283	14.150	46.423	46.540	46.668	0.628	20.440	1.346	98.400
284	14.200	46.587	53.540	53.624	0.760	13.500	1.417	86.100
285	14.250	46.751	34.820	34.915	0.847	15.290	2.426	84.200
286	14.300	46.915	25.280	25.662	0.899	61.210	3.503	90.100
287	14.350	47.079	22.610	23.072	0.873	73.930	3.784	83.700
288	14.400	47.244	65.190	65.636	0.726	71.500	1.106	71.900
289	14.450	47.408	52.440	52.655	1.312	34.440	2.492	68.300
290	14.500	47.572	67.450	67.538	1.765	14.090	2.613	65.400
291	14.550	47.736	46.980	47.127	1.431	23.470	3.037	61.700
292	14.600	47.900	66.590	66.950	1.452	57.600	2.169	50.400
293	14.650	48.064	109.700	110.071	2.166	59.400	1.968	44.900
294	14.700	48.228	100.750	100.794	3.051	7.000	3.027	46.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	91.820	92.079	3.454	41.500	3.751	46.500
296	14.800	48.556	77.430	77.506	3.039	12.240	3.921	42.200
297	14.850	48.720	108.270	108.316	2.388	7.310	2.205	58.700
298	14.900	48.884	80.020	80.073	1.952	8.540	2.438	69.800
299	14.950	49.048	52.960	53.217	1.578	41.160	2.965	81.400
300	15.000	49.212	51.010	51.218	1.095	33.240	2.138	82.900
301	15.050	49.376	54.310	54.535	0.947	36.060	1.736	80.800
302	15.100	49.540	46.200	46.411	0.964	33.720	2.077	87.200
303	15.150	49.704	39.140	39.395	0.927	40.860	2.353	94.300
304	15.200	49.868	44.020	44.387	0.860	58.850	1.937	78.600
305	15.250	50.032	49.080	49.348	0.886	42.970	1.795	89.600
306	15.300	50.196	49.380	49.608	0.908	36.530	1.830	88.600
307	15.350	50.360	55.190	55.469	0.808	44.750	1.457	91.600
308	15.400	50.524	44.480	44.576	0.662	15.410	1.485	87.400
309	15.450	50.688	32.790	32.920	0.540	20.890	1.640	92.900
310	15.500	50.852	25.800	25.983	0.667	29.250	2.567	74.100
311	15.550	51.016	30.530	30.808	0.553	44.510	1.795	71.000
312	15.600	51.180	66.600	66.681	1.179	12.910	1.768	78.400
313	15.650	51.345	37.200	37.403	1.074	32.540	2.871	71.200
314	15.700	51.509	25.980	26.194	0.904	34.270	3.451	67.400
315	15.750	51.673	22.970	23.193	0.597	35.770	2.574	72.400
316	15.800	51.837	21.990	22.201	0.344	33.790	1.549	65.800
317	15.850	52.001	19.130	19.297	0.983	26.780	5.094	56.400
318	15.900	52.165	21.130	21.310	0.884	28.790	4.148	45.100
319	15.950	52.329	42.380	42.509	0.710	20.730	1.670	44.400
320	16.000	52.493	52.770	52.866	0.871	15.430	1.648	39.800
321	16.050	52.657	42.050	42.177	0.528	20.300	1.252	39.200
322	16.100	52.821	33.400	33.542	0.617	22.720	1.839	36.500
323	16.150	52.985	20.230	20.301	1.029	11.330	5.069	34.500
324	16.200	53.149	32.090	32.352	1.041	41.950	3.218	29.400
325	16.250	53.313	83.020	83.171	0.879	24.120	1.057	33.700
326	16.300	53.477	35.210	35.339	1.324	20.670	3.747	31.900
327	16.350	53.641	73.720	73.993	2.157	43.720	2.915	39.500
328	16.400	53.805	96.190	96.334	1.702	23.070	1.767	43.400
329	16.450	53.969	34.040	34.125	1.447	13.620	4.240	46.000
330	16.500	54.133	9.340	9.453	0.658	18.030	6.961	43.100
331	16.550	54.297	6.580	6.672	0.364	14.790	5.455	0.000
332	16.600	54.461	38.080	38.176	0.731	15.450	1.915	0.000
333	16.650	54.625	46.850	46.957	3.073	17.200	6.544	0.000
334	16.700	54.789	109.930	110.050	3.355	19.160	3.049	0.000
335	16.750	54.953	55.600	55.674	1.140	11.870	2.048	0.000
336	16.800	55.117	49.520	49.611	3.589	14.510	7.234	0.000
337	16.850	55.281	101.390	101.501	2.532	17.850	2.495	0.000
338	16.900	55.446	37.700	37.794	0.655	14.990	1.733	0.000
339	16.950	55.610	76.700	76.823	1.918	19.740	2.497	0.000
340	17.000	55.774	60.710	60.826	2.142	18.520	3.522	0.000
341	17.050	55.938	48.840	49.002	2.116	26.020	4.318	0.000
342	17.100	56.102	63.890	64.049	0.899	25.410	1.404	0.000
343	17.150	56.266	66.840	66.979	0.838	22.240	1.251	0.000
344	17.200	56.430	70.640	70.793	0.936	24.570	1.322	0.000
345	17.250	56.594	76.450	76.617	0.000	26.720	0.000	0.000
346	17.300	56.758	64.520	64.702	0.000	29.180	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221644
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-15-8
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-22-2013
CPT Time:	12:53
CPT File:	13-53075_GP15-8.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722343.019
Northing / Lat:	4294313.066
Elevation:	144.286
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	15.080	15.094	0.002	2.210	0.013	28.100
2	0.100	0.328	21.400	21.404	0.001	0.650	0.005	48.700
3	0.150	0.492	30.140	30.147	0.013	1.120	0.043	59.900
4	0.200	0.656	37.240	37.255	0.010	2.350	0.027	69.000
5	0.250	0.820	42.870	42.914	0.017	7.010	0.040	90.200
6	0.300	0.984	12.420	12.449	0.059	4.710	0.474	101.700
7	0.350	1.148	13.350	13.379	0.131	4.630	0.979	120.400
8	0.400	1.312	17.310	17.315	0.133	0.830	0.768	115.400
9	0.450	1.476	22.700	22.707	0.247	1.100	1.088	129.500
10	0.500	1.640	28.260	28.264	0.447	0.700	1.581	142.600
11	0.550	1.804	33.830	33.839	0.642	1.440	1.897	138.700
12	0.600	1.968	46.520	46.566	0.727	7.320	1.561	133.800
13	0.650	2.133	46.780	46.799	0.904	3.110	1.932	142.100
14	0.700	2.297	43.630	43.646	0.918	2.560	2.103	145.400
15	0.750	2.461	42.270	42.259	0.876	-1.830	2.073	133.100
16	0.800	2.625	32.010	32.005	0.899	-0.820	2.809	143.100
17	0.850	2.789	22.980	22.967	0.772	-2.050	3.361	143.100
18	0.900	2.953	19.390	19.382	0.728	-1.360	3.756	143.900
19	0.950	3.117	19.330	19.303	0.618	-4.350	3.202	120.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	25.070	25.046	0.639	-3.820	2.551	114.900
21	1.050	3.445	35.480	35.471	0.646	-1.380	1.821	107.200
22	1.100	3.609	50.150	50.120	0.719	-4.880	1.435	102.900
23	1.150	3.773	57.440	57.365	0.776	-12.070	1.353	92.700
24	1.200	3.937	53.300	53.216	0.793	-13.430	1.490	89.000
25	1.250	4.101	49.820	49.742	0.802	-12.510	1.612	89.900
26	1.300	4.265	49.900	49.837	0.858	-10.170	1.722	85.900
27	1.350	4.429	47.010	46.941	0.933	-11.080	1.988	90.800
28	1.400	4.593	41.610	41.518	0.882	-14.800	2.124	84.100
29	1.450	4.757	32.860	32.757	0.803	-16.550	2.451	85.800
30	1.500	4.921	23.940	23.825	0.664	-18.430	2.787	75.800
31	1.550	5.085	20.640	20.523	0.537	-18.780	2.617	62.500
32	1.600	5.249	16.830	16.719	0.436	-17.790	2.608	58.400
33	1.650	5.413	21.750	21.655	0.358	-15.190	1.653	46.800
34	1.700	5.577	21.680	21.673	0.404	-1.080	1.864	46.000
35	1.750	5.741	23.870	23.864	0.319	-0.990	1.337	41.000
36	1.800	5.905	42.160	42.147	0.430	-2.030	1.020	52.500
37	1.850	6.069	65.470	65.465	0.474	-0.740	0.724	64.700
38	1.900	6.234	20.720	20.767	0.402	7.480	1.936	76.000
39	1.950	6.398	15.940	16.481	0.354	86.670	2.148	73.500
40	2.000	6.562	13.330	13.583	0.294	40.580	2.164	93.400
41	2.050	6.726	12.840	13.013	0.357	27.650	2.743	85.800
42	2.100	6.890	12.750	12.798	0.415	7.760	3.243	72.200
43	2.150	7.054	12.110	12.121	0.378	1.830	3.118	54.000
44	2.200	7.218	22.830	22.825	0.318	-0.740	1.393	53.200
45	2.250	7.382	38.260	38.276	0.317	2.580	0.828	42.800
46	2.300	7.546	49.040	49.124	0.430	13.420	0.875	29.200
47	2.350	7.710	35.870	35.890	0.587	3.170	1.636	40.200
48	2.400	7.874	32.260	32.248	0.658	-1.910	2.040	31.100
49	2.450	8.038	26.610	26.998	0.694	62.170	2.571	36.900
50	2.500	8.202	87.120	87.080	0.789	-6.340	0.906	55.600
51	2.550	8.366	49.050	49.056	0.661	0.930	1.347	54.500
52	2.600	8.530	45.560	45.634	0.568	11.880	1.245	65.400
53	2.650	8.694	57.280	57.260	0.580	-3.260	1.013	64.600
54	2.700	8.858	58.610	58.591	0.770	-3.120	1.314	51.500
55	2.750	9.022	52.900	52.860	1.051	-6.380	1.988	60.100
56	2.800	9.186	83.870	83.879	0.998	1.490	1.190	63.700
57	2.850	9.350	39.980	40.384	0.905	64.720	2.241	66.500
58	2.900	9.514	22.590	22.644	0.764	8.710	3.374	75.000
59	2.950	9.678	17.060	16.975	0.449	-13.600	2.645	67.300
60	3.000	9.842	15.210	15.145	0.330	-10.410	2.179	70.500
61	3.050	10.006	13.030	13.013	0.302	-2.670	2.321	79.100
62	3.100	10.170	13.310	13.319	0.298	1.480	2.237	90.500
63	3.150	10.335	15.730	15.729	0.323	-0.160	2.054	94.900
64	3.200	10.499	17.990	17.975	0.374	-2.470	2.081	104.100
65	3.250	10.663	15.160	15.122	0.434	-6.080	2.870	83.700
66	3.300	10.827	15.910	15.872	0.495	-6.090	3.119	107.700
67	3.350	10.991	17.270	17.240	0.585	-4.830	3.393	88.800
68	3.400	11.155	18.250	18.217	0.589	-5.360	3.233	101.500
69	3.450	11.319	19.470	19.436	0.582	-5.430	2.994	94.800
70	3.500	11.483	21.950	21.959	0.571	1.400	2.600	96.100
71	3.550	11.647	31.710	31.756	0.660	7.390	2.078	100.200
72	3.600	11.811	38.900	38.909	0.841	1.440	2.161	97.000
73	3.650	11.975	42.940	42.925	1.067	-2.440	2.486	91.800
74	3.700	12.139	40.250	40.201	1.181	-7.840	2.938	105.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	34.370	34.319	1.114	-8.120	3.246	101.300
76	3.800	12.467	31.380	31.326	1.082	-8.730	3.454	106.800
77	3.850	12.631	25.750	25.682	0.982	-10.920	3.824	86.600
78	3.900	12.795	32.950	32.893	0.928	-9.150	2.821	84.800
79	3.950	12.959	90.750	90.713	0.901	-5.890	0.993	84.500
80	4.000	13.123	119.660	119.623	1.045	-5.900	0.874	86.800
81	4.050	13.287	140.580	140.548	1.400	-5.100	0.996	87.800
82	4.100	13.451	149.280	149.248	2.064	-5.150	1.383	84.700
83	4.150	13.615	136.170	136.148	2.535	-3.560	1.862	93.400
84	4.200	13.779	98.900	98.863	2.913	-5.850	2.946	86.700
85	4.250	13.943	65.920	65.872	2.924	-7.690	4.439	65.900
86	4.300	14.107	69.880	69.837	2.518	-6.810	3.606	64.600
87	4.350	14.271	82.010	82.070	2.551	9.660	3.108	58.700
88	4.400	14.436	78.640	78.736	2.081	15.370	2.643	47.600
89	4.450	14.600	58.160	58.192	1.662	5.100	2.856	67.700
90	4.500	14.764	40.950	40.964	1.081	2.320	2.639	64.100
91	4.550	14.928	30.060	30.055	0.867	-0.870	2.885	76.100
92	4.600	15.092	40.640	40.731	0.894	14.530	2.195	74.600
93	4.650	15.256	44.980	44.968	0.742	-1.930	1.650	71.600
94	4.700	15.420	32.620	32.592	0.815	-4.560	2.501	65.200
95	4.750	15.584	28.150	28.135	0.788	-2.480	2.801	55.500
96	4.800	15.748	41.860	41.850	0.815	-1.670	1.947	41.700
97	4.850	15.912	50.540	50.570	0.861	4.830	1.703	41.500
98	4.900	16.076	58.200	58.204	0.712	0.670	1.223	33.600
99	4.950	16.240	31.430	31.418	0.566	-1.930	1.802	32.900
100	5.000	16.404	22.690	22.733	0.454	6.870	1.997	43.600
101	5.050	16.568	16.620	16.634	0.284	2.300	1.707	46.100
102	5.100	16.732	25.440	25.438	0.167	-0.380	0.657	46.100
103	5.150	16.896	20.480	20.477	0.120	-0.550	0.586	40.900
104	5.200	17.060	17.540	17.539	0.077	-0.220	0.439	47.400
105	5.250	17.224	10.970	10.967	0.111	-0.500	1.012	58.100
106	5.300	17.388	11.030	11.027	0.108	-0.510	0.979	60.300
107	5.350	17.552	9.700	9.696	0.107	-0.610	1.104	57.200
108	5.400	17.716	4.590	4.579	0.069	-1.700	1.507	45.400
109	5.450	17.880	4.080	4.076	0.013	-0.640	0.319	53.200
110	5.500	18.044	8.760	8.758	0.060	-0.290	0.685	46.700
111	5.550	18.208	11.840	11.837	0.057	-0.550	0.482	43.900
112	5.600	18.372	16.520	16.518	0.055	-0.350	0.333	45.000
113	5.650	18.537	19.950	19.965	0.157	2.330	0.786	37.200
114	5.700	18.701	30.800	30.805	0.491	0.840	1.594	47.400
115	5.750	18.865	43.550	43.565	0.637	2.470	1.462	41.100
116	5.800	19.029	55.260	55.259	0.766	-0.100	1.386	36.400
117	5.850	19.193	46.740	46.771	0.893	5.020	1.909	36.500
118	5.900	19.357	45.710	45.764	0.963	8.650	2.104	35.700
119	5.950	19.521	47.540	47.552	0.764	1.890	1.607	33.900
120	6.000	19.685	49.170	49.169	0.850	-0.150	1.729	35.500
121	6.050	19.849	55.900	55.921	0.828	3.430	1.481	43.100
122	6.100	20.013	64.390	64.450	1.031	9.690	1.600	43.100
123	6.150	20.177	76.600	76.632	1.287	5.170	1.679	53.500
124	6.200	20.341	64.530	64.633	1.324	16.500	2.048	72.600
125	6.250	20.505	40.590	40.670	1.341	12.840	3.297	75.600
126	6.300	20.669	52.490	52.649	1.382	25.530	2.625	75.400
127	6.350	20.833	52.400	52.492	1.321	14.720	2.517	77.100
128	6.400	20.997	41.500	41.522	1.207	3.580	2.907	67.300
129	6.450	21.161	42.760	42.722	1.267	-6.130	2.966	61.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	59.800	59.777	1.515	-3.750	2.534	53.800
131	6.550	21.489	30.490	30.505	1.292	2.370	4.235	47.700
132	6.600	21.653	20.090	20.186	1.099	15.310	5.444	55.800
133	6.650	21.817	23.340	23.545	0.720	32.870	3.058	36.000
134	6.700	21.981	22.140	22.146	0.630	0.920	2.845	35.200
135	6.750	22.145	16.750	16.747	0.683	-0.450	4.078	26.000
136	6.800	22.309	26.440	26.413	0.613	-4.380	2.321	32.000
137	6.850	22.473	22.520	22.521	0.605	0.180	2.686	25.200
138	6.900	22.638	29.670	29.696	0.716	4.160	2.411	23.900
139	6.950	22.802	29.930	29.929	0.815	-0.150	2.723	22.200
140	7.000	22.966	34.060	34.159	0.814	15.780	2.383	27.600
141	7.050	23.130	43.430	43.609	0.597	28.640	1.369	37.800
142	7.100	23.294	35.030	35.038	0.629	1.270	1.795	39.500
143	7.150	23.458	16.000	15.976	0.817	-3.770	5.114	46.400
144	7.200	23.622	20.640	20.711	0.605	11.450	2.921	59.200
145	7.250	23.786	59.080	59.081	0.943	0.190	1.596	64.600
146	7.300	23.950	29.680	29.665	0.907	-2.410	3.057	78.600
147	7.350	24.114	15.150	15.215	0.852	10.370	5.600	74.000
148	7.400	24.278	17.600	17.778	0.565	28.590	3.178	88.500
149	7.450	24.442	16.230	16.465	0.576	37.580	3.498	75.600
150	7.500	24.606	14.650	14.835	0.664	29.700	4.476	63.500
151	7.550	24.770	17.150	17.227	0.483	12.330	2.804	45.800
152	7.600	24.934	29.210	29.258	0.688	7.690	2.351	46.900
153	7.650	25.098	29.200	29.212	0.680	1.880	2.328	42.200
154	7.700	25.262	30.200	30.281	0.806	13.040	2.662	23.400
155	7.750	25.426	50.600	50.649	0.902	7.800	1.781	28.400
156	7.800	25.590	49.400	49.453	1.234	8.410	2.495	29.600
157	7.850	25.754	67.560	67.667	1.358	17.170	2.007	28.800
158	7.900	25.918	82.410	82.462	1.566	8.270	1.899	33.300
159	7.950	26.082	71.310	71.315	1.845	0.880	2.587	25.700
160	8.000	26.246	84.940	84.924	2.026	-2.630	2.386	28.200
161	8.050	26.410	59.550	59.596	2.293	7.350	3.848	31.500
162	8.100	26.574	33.600	33.931	1.850	53.050	5.452	33.500
163	8.150	26.739	27.480	27.972	1.432	78.830	5.119	25.700
164	8.200	26.903	20.770	21.042	0.873	43.540	4.149	28.100
165	8.250	27.067	25.280	25.522	0.849	38.800	3.327	29.200
166	8.300	27.231	38.280	38.510	0.846	36.770	2.197	0.000
167	8.350	27.395	41.710	41.938	1.088	36.550	2.594	0.000
168	8.400	27.559	31.310	31.349	1.055	6.210	3.365	0.000
169	8.450	27.723	24.970	25.507	0.932	86.090	3.654	0.000
170	8.500	27.887	23.820	24.330	0.766	81.640	3.148	0.000
171	8.550	28.051	23.370	23.773	0.803	64.580	3.378	0.000
172	8.600	28.215	23.130	23.615	0.797	77.690	3.375	0.000
173	8.650	28.379	22.770	23.448	2.109	108.640	8.994	0.000
174	8.700	28.543	23.450	24.252	2.769	128.480	11.418	0.000
175	8.750	28.707	113.630	114.094	2.527	74.250	2.215	0.000
176	8.800	28.871	328.190	328.203	1.159	2.030	0.353	0.000
177	8.850	29.035	373.160	373.176	1.210	2.620	0.324	0.000
178	8.900	29.199	383.610	383.633	1.206	3.730	0.314	0.000
179	8.950	29.363	394.040	394.064	2.123	3.880	0.539	0.000
180	9.000	29.527	392.000	392.025	0.000	3.930	0.000	0.000
181	9.050	29.691	455.680	455.710	0.000	4.800	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221646
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-16-1
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-23-2013
CPT Time:	14:42
CPT File:	13-53075_GP16-1.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722295.422
Northing / Lat:	4294417.802
Elevation:	137.396
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	4.250	4.413	0.002	26.160	0.045	30.400
2	0.100	0.328	7.600	7.642	0.007	6.650	0.092	42.200
3	0.150	0.492	14.420	14.471	0.001	8.220	0.007	49.500
4	0.200	0.656	18.680	18.722	0.175	6.760	0.935	70.900
5	0.250	0.820	69.120	69.187	0.231	10.710	0.334	75.400
6	0.300	0.984	43.580	43.794	0.386	34.250	0.881	82.900
7	0.350	1.148	43.700	43.731	0.527	4.910	1.205	94.000
8	0.400	1.312	48.940	48.961	0.565	3.320	1.154	92.500
9	0.450	1.476	63.410	63.443	0.718	5.290	1.132	87.300
10	0.500	1.640	90.940	90.980	1.003	6.390	1.102	106.200
11	0.550	1.804	97.250	97.314	1.173	10.320	1.205	109.800
12	0.600	1.968	92.730	92.850	1.258	19.270	1.355	103.800
13	0.650	2.133	99.000	99.046	1.370	7.390	1.383	108.000
14	0.700	2.297	110.990	111.037	1.326	7.600	1.194	107.900
15	0.750	2.461	109.370	109.415	1.597	7.170	1.460	109.400
16	0.800	2.625	125.750	125.792	1.874	6.680	1.490	112.800
17	0.850	2.789	132.480	132.524	2.320	7.050	1.751	103.300
18	0.900	2.953	127.650	127.684	2.674	5.390	2.094	95.400
19	0.950	3.117	125.570	125.602	2.879	5.170	2.292	102.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	118.790	118.821	2.854	4.970	2.402	103.500
21	1.050	3.445	110.630	110.658	2.650	4.530	2.395	89.800
22	1.100	3.609	100.130	100.158	2.396	4.430	2.392	93.900
23	1.150	3.773	80.860	80.883	2.291	3.740	2.832	104.900
24	1.200	3.937	59.530	59.564	2.149	5.490	3.608	98.900
25	1.250	4.101	54.120	54.156	1.642	5.820	3.032	109.500
26	1.300	4.265	51.430	51.466	1.412	5.710	2.744	94.800
27	1.350	4.429	51.510	51.520	1.187	1.650	2.304	101.000
28	1.400	4.593	45.840	45.845	1.113	0.860	2.428	84.300
29	1.450	4.757	36.840	36.845	1.054	0.740	2.861	78.200
30	1.500	4.921	37.940	37.958	0.896	2.940	2.360	98.300
31	1.550	5.085	34.800	34.815	0.829	2.450	2.381	95.700
32	1.600	5.249	33.040	33.074	0.789	5.380	2.386	92.900
33	1.650	5.413	30.170	30.187	0.745	2.700	2.468	93.400
34	1.700	5.577	27.580	27.587	0.578	1.080	2.095	95.600
35	1.750	5.741	26.320	26.332	0.552	1.910	2.096	84.200
36	1.800	5.905	25.500	25.503	0.497	0.410	1.949	95.400
37	1.850	6.069	24.540	24.542	0.525	0.300	2.139	95.300
38	1.900	6.234	25.390	25.389	0.544	-0.150	2.143	88.800
39	1.950	6.398	18.260	18.263	0.493	0.450	2.699	98.000
40	2.000	6.562	16.970	16.966	0.414	-0.590	2.440	98.500
41	2.050	6.726	13.840	13.824	0.343	-2.630	2.481	100.500
42	2.100	6.890	10.340	10.329	0.241	-1.830	2.333	96.800
43	2.150	7.054	9.520	9.607	0.238	13.910	2.477	90.300
44	2.200	7.218	9.940	10.000	0.265	9.620	2.650	153.800
45	2.250	7.382	10.070	10.117	0.281	7.460	2.778	92.500
46	2.300	7.546	11.380	11.429	0.215	7.920	1.881	83.400
47	2.350	7.710	12.930	12.950	0.206	3.190	1.591	79.000
48	2.400	7.874	10.660	10.675	0.151	2.430	1.414	101.000
49	2.450	8.038	11.030	11.073	0.170	6.920	1.535	82.600
50	2.500	8.202	13.990	14.088	0.205	15.750	1.455	95.300
51	2.550	8.366	14.130	14.175	0.293	7.250	2.067	93.400
52	2.600	8.530	14.200	14.255	0.428	8.890	3.002	87.000
53	2.650	8.694	16.200	16.232	0.454	5.050	2.797	106.600
54	2.700	8.858	16.690	16.698	0.468	1.240	2.803	100.700
55	2.750	9.022	14.300	14.306	0.396	1.020	2.768	87.600
56	2.800	9.186	15.360	15.364	0.417	0.690	2.714	98.000
57	2.850	9.350	15.280	15.288	0.440	1.300	2.878	93.700
58	2.900	9.514	12.090	12.108	0.431	2.840	3.560	95.000
59	2.950	9.678	12.010	12.038	0.441	4.520	3.663	104.100
60	3.000	9.842	2.020	2.040	0.417	3.250	20.438	103.100
61	3.050	10.006	9.460	9.471	0.465	1.830	4.910	99.400
62	3.100	10.170	8.390	8.401	0.421	1.700	5.012	95.600
63	3.150	10.335	9.770	9.801	0.330	4.920	3.367	89.600
64	3.200	10.499	15.150	15.202	0.272	8.290	1.789	96.200
65	3.250	10.663	14.540	14.543	0.217	0.520	1.492	99.300
66	3.300	10.827	12.610	12.614	0.243	0.690	1.926	97.200
67	3.350	10.991	14.920	14.955	0.317	5.560	2.120	95.100
68	3.400	11.155	16.890	16.945	0.364	8.850	2.148	96.500
69	3.450	11.319	16.370	16.434	0.332	10.220	2.020	95.000
70	3.500	11.483	14.750	14.822	0.369	11.520	2.490	93.500
71	3.550	11.647	13.820	13.898	0.427	12.510	3.072	99.600
72	3.600	11.811	14.190	14.280	0.474	14.440	3.319	96.600
73	3.650	11.975	13.600	13.658	0.530	9.370	3.880	83.500
74	3.700	12.139	13.220	13.267	0.602	7.490	4.538	104.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	14.200	14.244	0.659	7.100	4.626	100.900
76	3.800	12.467	16.110	16.177	0.675	10.710	4.173	96.400
77	3.850	12.631	19.460	19.541	0.700	12.920	3.582	87.300
78	3.900	12.795	21.070	21.127	0.743	9.070	3.517	98.000
79	3.950	12.959	21.500	21.515	0.775	2.340	3.602	95.700
80	4.000	13.123	20.540	20.527	0.730	-2.130	3.556	96.000
81	4.050	13.287	18.830	18.809	0.654	-3.300	3.477	98.100
82	4.100	13.451	18.460	18.443	0.531	-2.730	2.879	97.600
83	4.150	13.615	23.500	23.489	0.429	-1.770	1.826	101.700
84	4.200	13.779	27.000	26.989	0.361	-1.760	1.338	105.600
85	4.250	13.943	27.840	27.850	0.311	1.580	1.117	98.000
86	4.300	14.107	29.030	29.055	0.293	3.980	1.008	96.000
87	4.350	14.271	29.600	29.628	0.304	4.460	1.026	105.900
88	4.400	14.436	29.360	29.389	0.315	4.640	1.072	105.100
89	4.450	14.600	28.650	28.677	0.341	4.380	1.189	96.300
90	4.500	14.764	26.390	26.416	0.291	4.150	1.102	89.600
91	4.550	14.928	22.610	22.635	0.326	3.950	1.440	93.900
92	4.600	15.092	18.710	18.730	0.343	3.250	1.831	88.300
93	4.650	15.256	16.690	16.699	0.324	1.520	1.940	95.700
94	4.700	15.420	17.750	17.764	0.284	2.310	1.599	95.000
95	4.750	15.584	17.340	17.346	0.238	0.940	1.372	86.300
96	4.800	15.748	18.350	18.351	0.244	0.160	1.330	91.000
97	4.850	15.912	19.770	19.786	0.249	2.580	1.258	89.600
98	4.900	16.076	18.690	18.696	0.243	0.890	1.300	98.900
99	4.950	16.240	18.550	18.559	0.229	1.470	1.234	88.000
100	5.000	16.404	15.960	15.967	0.166	1.180	1.040	80.100
101	5.050	16.568	11.880	11.900	0.134	3.160	1.126	95.800
102	5.100	16.732	10.870	10.921	0.145	8.150	1.328	97.600
103	5.150	16.896	11.580	11.657	0.296	12.350	2.539	96.700
104	5.200	17.060	11.640	11.738	0.369	15.740	3.144	83.200
105	5.250	17.224	12.740	12.808	0.387	10.880	3.022	92.500
106	5.300	17.388	11.890	11.991	0.410	16.160	3.419	101.800
107	5.350	17.552	13.990	14.184	0.361	31.070	2.545	94.200
108	5.400	17.716	19.610	19.670	0.277	9.650	1.408	84.100
109	5.450	17.880	18.470	18.468	0.366	-0.380	1.982	83.800
110	5.500	18.044	18.290	18.355	0.244	10.490	1.329	93.900
111	5.550	18.208	46.640	46.681	0.269	6.550	0.576	93.200
112	5.600	18.372	56.950	56.944	0.345	-0.990	0.606	83.600
113	5.650	18.537	57.040	57.019	0.394	-3.410	0.691	88.100
114	5.700	18.701	54.690	54.677	0.440	-2.070	0.805	78.900
115	5.750	18.865	55.020	55.012	0.416	-1.220	0.756	77.900
116	5.800	19.029	50.360	50.342	0.509	-2.900	1.011	91.600
117	5.850	19.193	37.200	37.162	0.721	-6.020	1.940	87.500
118	5.900	19.357	27.330	27.310	0.613	-3.180	2.245	91.100
119	5.950	19.521	37.660	37.734	0.557	11.900	1.476	91.900
120	6.000	19.685	35.620	35.621	0.639	0.090	1.794	90.500
121	6.050	19.849	58.420	58.450	0.573	4.880	0.980	82.600
122	6.100	20.013	88.520	88.529	0.724	1.420	0.818	86.900
123	6.150	20.177	93.600	93.589	0.812	-1.810	0.868	70.400
124	6.200	20.341	92.610	92.609	0.896	-0.180	0.968	69.300
125	6.250	20.505	90.360	90.368	0.952	1.250	1.053	72.400
126	6.300	20.669	86.770	86.779	0.963	1.480	1.110	73.900
127	6.350	20.833	81.700	81.710	0.924	1.590	1.131	83.300
128	6.400	20.997	76.930	76.942	0.862	1.900	1.120	74.000
129	6.450	21.161	69.270	69.278	0.797	1.210	1.150	76.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	61.930	61.929	0.505	-0.120	0.815	67.200
131	6.550	21.489	53.770	53.767	0.526	-0.530	0.978	83.800
132	6.600	21.653	47.450	47.485	0.525	5.550	1.106	81.200
133	6.650	21.817	49.840	49.867	0.475	4.360	0.953	81.700
134	6.700	21.981	52.690	52.696	0.421	1.040	0.799	76.800
135	6.750	22.145	56.970	56.959	0.390	-1.750	0.685	77.400
136	6.800	22.309	58.340	58.317	0.410	-3.640	0.703	74.400
137	6.850	22.473	57.740	57.714	0.409	-4.110	0.709	80.100
138	6.900	22.638	58.360	58.336	0.418	-3.790	0.717	68.400
139	6.950	22.802	55.870	55.845	0.424	-3.970	0.759	77.200
140	7.000	22.966	53.500	53.478	0.443	-3.580	0.828	73.200
141	7.050	23.130	50.190	50.174	0.464	-2.490	0.925	71.300
142	7.100	23.294	46.190	46.180	0.492	-1.550	1.065	81.500
143	7.150	23.458	43.880	43.876	0.480	-0.570	1.094	74.400
144	7.200	23.622	43.030	43.030	0.440	0.030	1.023	78.500
145	7.250	23.786	44.140	44.142	0.400	0.250	0.906	85.500
146	7.300	23.950	46.370	46.372	0.361	0.370	0.778	68.800
147	7.350	24.114	48.040	48.036	0.380	-0.680	0.791	76.900
148	7.400	24.278	48.120	48.105	0.414	-2.430	0.861	73.000
149	7.450	24.442	46.740	46.726	0.432	-2.250	0.925	85.800
150	7.500	24.606	48.590	48.579	0.308	-1.720	0.634	69.200
151	7.550	24.770	43.880	43.859	0.363	-3.290	0.828	80.000
152	7.600	24.934	41.380	41.393	0.351	2.120	0.848	83.000
153	7.650	25.098	41.400	41.395	0.343	-0.810	0.829	83.700
154	7.700	25.262	38.240	38.210	0.344	-4.780	0.900	78.400
155	7.750	25.426	35.310	35.275	0.346	-5.550	0.981	80.100
156	7.800	25.590	31.050	31.020	0.402	-4.880	1.296	76.900
157	7.850	25.754	33.600	33.581	0.356	-3.120	1.060	77.000
158	7.900	25.918	48.220	48.206	0.388	-2.190	0.805	77.100
159	7.950	26.082	89.940	89.919	0.393	-3.290	0.437	60.900
160	8.000	26.246	111.820	111.780	0.493	-6.400	0.441	56.100
161	8.050	26.410	120.860	120.811	0.604	-7.900	0.500	52.200
162	8.100	26.574	133.650	133.608	0.829	-6.780	0.620	46.600
163	8.150	26.739	148.370	148.343	1.047	-4.290	0.706	46.000
164	8.200	26.903	160.190	160.185	1.172	-0.800	0.732	35.800
165	8.250	27.067	180.690	180.708	1.294	2.870	0.716	49.300
166	8.300	27.231	205.710	205.752	1.411	6.680	0.686	46.200
167	8.350	27.395	244.240	244.303	1.655	10.140	0.677	41.300
168	8.400	27.559	245.490	245.560	1.800	11.260	0.733	44.700
169	8.450	27.723	248.870	248.941	2.328	11.340	0.935	49.000
170	8.500	27.887	240.280	240.348	1.630	10.950	0.678	44.700
171	8.550	28.051	177.720	177.776	1.687	8.920	0.949	47.200
172	8.600	28.215	158.400	158.449	1.381	7.880	0.872	52.600
173	8.650	28.379	146.420	146.478	1.100	9.270	0.751	46.800
174	8.700	28.543	138.130	138.192	0.918	9.870	0.664	45.100
175	8.750	28.707	132.530	132.595	0.806	10.380	0.608	43.100
176	8.800	28.871	126.480	126.546	0.676	10.620	0.534	43.200
177	8.850	29.035	116.880	116.944	0.602	10.330	0.515	44.900
178	8.900	29.199	109.460	109.530	0.527	11.190	0.481	43.900
179	8.950	29.363	102.700	102.771	0.450	11.450	0.438	0.000
180	9.000	29.527	92.200	92.270	0.400	11.160	0.434	0.000
181	9.050	29.691	73.640	73.707	0.358	10.750	0.486	0.000
182	9.100	29.855	59.050	59.127	0.424	12.270	0.717	0.000
183	9.150	30.019	51.460	51.548	0.470	14.110	0.912	0.000
184	9.200	30.183	40.020	40.118	0.489	15.660	1.219	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	46.640	46.714	0.464	11.860	0.993	0.000
186	9.300	30.511	51.640	51.665	0.355	3.960	0.687	0.000
187	9.350	30.675	53.830	53.806	0.302	-3.860	0.561	0.000
188	9.400	30.840	55.340	55.298	0.324	-6.660	0.586	0.000
189	9.450	31.004	53.070	53.025	0.406	-7.250	0.766	0.000
190	9.500	31.168	53.030	52.995	0.349	-5.630	0.659	0.000
191	9.550	31.332	56.260	56.266	0.557	0.970	0.990	0.000
192	9.600	31.496	66.180	66.244	1.037	10.240	1.565	0.000
193	9.650	31.660	89.920	89.921	0.000	0.090	0.000	0.000
194	9.700	31.824	391.240	391.260	0.000	3.240	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221648
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-16-2
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-23-2013
CPT Time:	14:08
CPT File:	13-53075_GP16-2.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722296.365
Northing / Lat:	4294409.069
Elevation:	137.988
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	10.890	10.907	0.002	2.740	0.018	35.200
2	0.100	0.328	11.480	11.494	0.003	2.180	0.026	41.000
3	0.150	0.492	14.460	14.475	0.012	2.450	0.083	52.000
4	0.200	0.656	17.810	17.818	0.030	1.250	0.168	48.700
5	0.250	0.820	33.340	33.347	0.108	1.080	0.324	68.200
6	0.300	0.984	75.790	75.797	0.223	1.140	0.294	72.200
7	0.350	1.148	29.800	29.832	0.374	5.110	1.254	80.600
8	0.400	1.312	29.570	29.599	0.486	4.700	1.642	88.800
9	0.450	1.476	27.240	27.265	0.660	4.060	2.421	87.000
10	0.500	1.640	29.500	29.512	0.835	1.900	2.829	97.300
11	0.550	1.804	48.920	48.934	1.061	2.230	2.168	115.800
12	0.600	1.968	51.890	51.904	1.212	2.320	2.335	99.500
13	0.650	2.133	48.810	48.823	1.255	2.050	2.571	108.900
14	0.700	2.297	57.750	57.762	1.152	1.880	1.994	105.700
15	0.750	2.461	83.660	83.672	1.269	1.930	1.517	113.600
16	0.800	2.625	97.010	97.019	1.348	1.440	1.389	104.800
17	0.850	2.789	102.020	102.029	1.606	1.410	1.574	100.900
18	0.900	2.953	99.250	99.260	2.037	1.550	2.052	106.600
19	0.950	3.117	89.890	89.899	2.134	1.400	2.374	109.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	80.060	80.067	2.184	1.090	2.728	102.600
21	1.050	3.445	66.810	66.815	2.095	0.780	3.136	101.700
22	1.100	3.609	58.660	58.664	1.968	0.650	3.355	114.900
23	1.150	3.773	55.780	55.786	1.661	1.010	2.977	95.800
24	1.200	3.937	57.780	57.787	1.489	1.080	2.577	102.700
25	1.250	4.101	48.800	48.804	1.507	0.630	3.088	102.700
26	1.300	4.265	43.090	43.094	1.519	0.570	3.525	97.300
27	1.350	4.429	44.600	44.605	1.402	0.800	3.143	106.000
28	1.400	4.593	44.170	44.177	1.271	1.080	2.877	100.600
29	1.450	4.757	41.100	41.109	1.301	1.450	3.165	92.300
30	1.500	4.921	44.020	44.037	1.338	2.780	3.038	98.700
31	1.550	5.085	43.950	43.967	1.338	2.780	3.043	97.500
32	1.600	5.249	42.810	42.825	1.398	2.460	3.264	94.200
33	1.650	5.413	39.720	39.733	1.235	2.140	3.108	104.100
34	1.700	5.577	34.600	34.609	1.123	1.500	3.245	104.000
35	1.750	5.741	32.100	32.107	0.993	1.120	3.093	106.300
36	1.800	5.905	30.010	30.016	0.917	0.910	3.055	90.700
37	1.850	6.069	29.230	29.234	0.832	0.700	2.846	89.900
38	1.900	6.234	28.700	28.704	0.664	0.580	2.313	98.400
39	1.950	6.398	25.410	25.413	0.622	0.420	2.448	111.500
40	2.000	6.562	23.480	23.483	0.518	0.420	2.206	103.500
41	2.050	6.726	21.300	21.302	0.484	0.350	2.272	100.000
42	2.100	6.890	19.730	19.732	0.475	0.340	2.407	103.800
43	2.150	7.054	18.010	18.013	0.468	0.430	2.598	108.400
44	2.200	7.218	16.830	16.832	0.476	0.290	2.828	104.500
45	2.250	7.382	15.890	15.892	0.460	0.390	2.894	102.600
46	2.300	7.546	16.430	16.432	0.475	0.260	2.891	94.700
47	2.350	7.710	17.660	17.661	0.549	0.140	3.109	102.400
48	2.400	7.874	22.480	22.481	0.518	0.240	2.304	105.400
49	2.450	8.038	23.810	23.810	0.531	0.060	2.230	102.000
50	2.500	8.202	18.330	18.336	0.455	0.930	2.481	97.700
51	2.550	8.366	16.440	16.446	0.384	0.920	2.335	96.300
52	2.600	8.530	16.050	16.055	0.357	0.860	2.224	95.800
53	2.650	8.694	15.670	15.676	0.321	0.990	2.048	97.200
54	2.700	8.858	16.350	16.357	0.328	1.200	2.005	97.000
55	2.750	9.022	15.710	15.719	0.327	1.460	2.080	110.100
56	2.800	9.186	16.530	16.539	0.354	1.430	2.140	96.600
57	2.850	9.350	19.430	19.442	0.336	1.970	1.728	103.200
58	2.900	9.514	19.040	19.053	0.330	2.160	1.732	99.100
59	2.950	9.678	15.870	15.882	0.295	1.900	1.857	91.800
60	3.000	9.842	13.110	13.119	0.242	1.520	1.845	89.300
61	3.050	10.006	11.790	11.801	0.204	1.700	1.729	95.600
62	3.100	10.170	10.790	10.803	0.206	2.020	1.907	93.100
63	3.150	10.335	10.170	10.185	0.222	2.460	2.180	98.900
64	3.200	10.499	11.330	11.350	0.238	3.270	2.097	101.200
65	3.250	10.663	13.540	13.570	0.238	4.790	1.754	102.400
66	3.300	10.827	12.580	12.614	0.255	5.410	2.022	90.500
67	3.350	10.991	11.340	11.374	0.254	5.440	2.233	99.900
68	3.400	11.155	10.480	10.513	0.258	5.220	2.454	99.700
69	3.450	11.319	9.710	9.743	0.332	5.250	3.408	95.200
70	3.500	11.483	8.230	8.275	0.332	7.150	4.012	101.200
71	3.550	11.647	8.210	8.238	0.268	4.500	3.253	102.700
72	3.600	11.811	3.140	3.173	0.170	5.320	5.357	90.500
73	3.650	11.975	3.400	3.428	0.077	4.520	2.246	104.300
74	3.700	12.139	2.750	2.780	0.082	4.760	2.950	103.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	3.650	3.675	0.133	3.970	3.619	106.300
76	3.800	12.467	4.850	4.873	0.151	3.640	3.099	92.300
77	3.850	12.631	6.320	6.342	0.172	3.470	2.712	94.000
78	3.900	12.795	8.550	8.577	0.205	4.250	2.390	101.800
79	3.950	12.959	9.680	9.707	0.226	4.360	2.328	87.700
80	4.000	13.123	9.270	9.295	0.233	4.000	2.507	93.600
81	4.050	13.287	8.550	8.572	0.210	3.500	2.450	94.300
82	4.100	13.451	8.070	8.090	0.168	3.230	2.077	98.200
83	4.150	13.615	7.720	7.741	0.174	3.420	2.248	97.700
84	4.200	13.779	7.650	7.677	0.187	4.280	2.436	87.600
85	4.250	13.943	8.610	8.641	0.241	4.930	2.789	83.900
86	4.300	14.107	9.760	9.795	0.250	5.570	2.552	95.100
87	4.350	14.271	10.790	10.830	0.277	6.380	2.558	104.200
88	4.400	14.436	9.490	9.526	0.242	5.750	2.540	96.300
89	4.450	14.600	8.160	8.193	0.229	5.230	2.795	95.800
90	4.500	14.764	14.070	14.141	0.296	11.340	2.093	90.000
91	4.550	14.928	14.640	14.713	0.297	11.630	2.019	82.500
92	4.600	15.092	13.410	13.480	0.302	11.240	2.240	97.000
93	4.650	15.256	10.830	10.902	0.311	11.570	2.853	103.200
94	4.700	15.420	10.810	10.888	0.357	12.480	3.279	95.800
95	4.750	15.584	12.640	12.722	0.408	13.090	3.207	88.700
96	4.800	15.748	13.810	13.891	0.402	12.920	2.894	110.000
97	4.850	15.912	14.840	14.934	0.293	14.980	1.962	96.600
98	4.900	16.076	11.780	11.865	0.240	13.620	2.023	96.900
99	4.950	16.240	10.790	10.879	0.222	14.330	2.041	87.500
100	5.000	16.404	11.380	11.481	0.264	16.160	2.299	107.000
101	5.050	16.568	10.030	10.138	0.213	17.270	2.101	112.900
102	5.100	16.732	16.360	16.478	0.255	18.880	1.548	83.500
103	5.150	16.896	21.930	22.041	0.329	17.780	1.493	94.800
104	5.200	17.060	16.710	16.782	0.314	11.490	1.871	87.100
105	5.250	17.224	13.170	13.235	0.268	10.390	2.025	92.100
106	5.300	17.388	13.190	13.264	0.241	11.790	1.817	102.400
107	5.350	17.552	14.300	14.387	0.206	13.930	1.432	93.900
108	5.400	17.716	15.780	15.882	0.227	16.290	1.429	82.100
109	5.450	17.880	18.240	18.348	0.320	17.380	1.744	97.400
110	5.500	18.044	24.370	24.484	0.340	18.300	1.389	107.900
111	5.550	18.208	29.210	29.298	0.359	14.020	1.225	104.800
112	5.600	18.372	33.200	33.269	0.357	11.010	1.073	99.400
113	5.650	18.537	34.540	34.596	0.396	9.000	1.145	96.500
114	5.700	18.701	35.130	35.175	0.446	7.170	1.268	92.700
115	5.750	18.865	35.440	35.478	0.479	6.130	1.350	93.300
116	5.800	19.029	33.820	33.853	0.491	5.270	1.450	83.600
117	5.850	19.193	30.190	30.219	0.460	4.660	1.522	94.800
118	5.900	19.357	28.410	28.437	0.385	4.260	1.354	85.000
119	5.950	19.521	29.290	29.318	0.333	4.450	1.136	86.100
120	6.000	19.685	32.960	32.988	0.326	4.530	0.988	87.300
121	6.050	19.849	26.130	26.156	0.354	4.090	1.353	93.600
122	6.100	20.013	18.490	18.514	0.404	3.860	2.182	80.300
123	6.150	20.177	13.430	13.457	0.390	4.390	2.898	90.200
124	6.200	20.341	10.580	10.615	0.300	5.630	2.826	88.600
125	6.250	20.505	10.020	10.068	0.130	7.640	1.291	90.700
126	6.300	20.669	9.860	9.919	0.127	9.470	1.280	90.700
127	6.350	20.833	9.600	9.672	0.154	11.490	1.592	96.400
128	6.400	20.997	11.830	11.912	0.134	13.130	1.125	94.900
129	6.450	21.161	12.070	12.157	0.178	13.950	1.464	85.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	13.040	13.216	0.187	28.230	1.415	88.700
131	6.550	21.489	11.920	12.083	0.121	26.080	1.001	93.800
132	6.600	21.653	12.000	12.152	0.144	24.340	1.185	90.000
133	6.650	21.817	9.840	9.992	0.162	24.300	1.621	101.500
134	6.700	21.981	10.940	11.105	0.184	26.490	1.657	91.200
135	6.750	22.145	11.640	11.809	0.273	27.100	2.312	83.100
136	6.800	22.309	15.950	16.132	0.239	29.170	1.482	75.400
137	6.850	22.473	63.550	63.742	0.347	30.790	0.544	0.000
138	6.900	22.638	100.030	100.123	0.570	14.970	0.569	0.000
139	6.950	22.802	107.110	107.166	0.745	8.950	0.695	0.000
140	7.000	22.966	106.320	106.363	0.877	6.880	0.825	0.000
141	7.050	23.130	108.890	108.927	0.964	5.900	0.885	0.000
142	7.100	23.294	114.030	114.064	1.081	5.460	0.948	0.000
143	7.150	23.458	119.880	119.912	1.150	5.190	0.959	0.000
144	7.200	23.622	127.120	127.151	1.298	4.970	1.021	0.000
145	7.250	23.786	134.070	134.100	1.299	4.750	0.969	0.000
146	7.300	23.950	124.740	124.768	1.351	4.540	1.083	0.000
147	7.350	24.114	137.060	137.089	1.376	4.680	1.004	0.000
148	7.400	24.278	156.200	156.230	0.888	4.860	0.568	0.000
149	7.450	24.442	178.980	179.011	1.250	4.930	0.698	0.000
150	7.500	24.606	205.730	205.772	1.581	6.790	0.768	0.000
151	7.550	24.770	275.130	275.171	0.000	6.520	0.000	0.000
152	7.600	24.934	310.710	310.755	0.000	7.260	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221649
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-16-3
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-23-2013
CPT Time:	13:15
CPT File:	13-53075_GP16-3.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722312.642
Northing / Lat:	4294378.178
Elevation:	143.523
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	1.300	1.338	0.002	6.120	0.149	33.700
2	0.100	0.328	8.170	8.216	0.001	7.370	0.012	47.200
3	0.150	0.492	14.290	14.329	0.001	6.180	0.007	66.000
4	0.200	0.656	44.710	44.752	0.104	6.670	0.232	66.700
5	0.250	0.820	73.190	73.337	0.328	23.590	0.447	71.600
6	0.300	0.984	22.550	22.658	0.516	17.300	2.277	68.800
7	0.350	1.148	24.000	24.048	0.683	7.660	2.840	88.800
8	0.400	1.312	33.760	33.864	0.778	16.630	2.297	84.100
9	0.450	1.476	41.920	41.996	0.925	12.120	2.203	88.900
10	0.500	1.640	46.120	46.157	1.151	5.900	2.494	104.500
11	0.550	1.804	41.800	41.837	1.083	5.920	2.589	93.900
12	0.600	1.968	41.880	41.921	1.135	6.520	2.707	103.400
13	0.650	2.133	44.550	44.662	1.304	17.990	2.920	98.700
14	0.700	2.297	46.370	46.421	1.509	8.200	3.251	112.400
15	0.750	2.461	46.640	46.682	1.676	6.790	3.590	106.600
16	0.800	2.625	54.460	54.503	1.753	6.950	3.216	106.200
17	0.850	2.789	61.900	61.951	1.876	8.110	3.028	100.800
18	0.900	2.953	61.590	61.633	1.971	6.830	3.198	91.500
19	0.950	3.117	51.800	51.832	1.947	5.100	3.756	102.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	44.570	44.604	1.738	5.380	3.897	102.800
21	1.050	3.445	33.930	33.949	1.473	3.080	4.339	91.200
22	1.100	3.609	30.590	30.613	1.309	3.650	4.276	88.200
23	1.150	3.773	30.410	30.433	1.164	3.670	3.825	102.600
24	1.200	3.937	35.210	35.239	1.085	4.690	3.079	81.100
25	1.250	4.101	34.940	34.978	1.015	6.120	2.902	100.600
26	1.300	4.265	33.900	33.936	1.027	5.690	3.026	87.400
27	1.350	4.429	32.410	32.445	1.015	5.610	3.128	96.400
28	1.400	4.593	22.900	22.835	0.701	-10.450	3.070	96.300
29	1.450	4.757	12.360	12.538	0.441	28.530	3.517	90.000
30	1.500	4.921	12.070	12.110	0.245	6.440	2.023	106.900
31	1.550	5.085	11.290	11.329	0.186	6.250	1.642	92.900
32	1.600	5.249	12.500	12.534	0.242	5.380	1.931	100.000
33	1.650	5.413	16.050	16.090	0.290	6.420	1.802	85.500
34	1.700	5.577	17.600	17.639	0.299	6.320	1.695	91.800
35	1.750	5.741	15.820	15.859	0.278	6.240	1.753	95.900
36	1.800	5.905	14.130	14.170	0.251	6.400	1.771	96.200
37	1.850	6.069	13.140	13.170	0.254	4.750	1.929	92.200
38	1.900	6.234	13.220	13.256	0.215	5.750	1.622	87.200
39	1.950	6.398	13.730	13.765	0.182	5.540	1.322	89.500
40	2.000	6.562	12.210	12.240	0.134	4.800	1.095	86.700
41	2.050	6.726	10.560	10.589	0.117	4.620	1.105	83.100
42	2.100	6.890	10.620	10.651	0.088	4.900	0.826	78.500
43	2.150	7.054	8.990	9.019	0.079	4.620	0.876	76.200
44	2.200	7.218	7.110	7.131	0.071	3.440	0.996	75.500
45	2.250	7.382	7.770	7.795	0.058	3.980	0.744	71.700
46	2.300	7.546	12.160	12.195	0.115	5.550	0.943	69.200
47	2.350	7.710	13.140	13.181	0.169	6.550	1.282	69.900
48	2.400	7.874	9.670	9.713	0.140	6.890	1.441	61.400
49	2.450	8.038	10.920	10.957	0.285	5.850	2.601	64.500
50	2.500	8.202	31.940	31.971	0.285	4.980	0.891	60.000
51	2.550	8.366	39.500	39.607	0.618	17.190	1.560	75.900
52	2.600	8.530	29.940	29.986	0.631	7.290	2.104	77.200
53	2.650	8.694	11.780	11.819	0.489	6.230	4.137	81.700
54	2.700	8.858	7.600	7.670	0.179	11.140	2.334	88.700
55	2.750	9.022	9.510	9.600	0.180	14.420	1.875	101.400
56	2.800	9.186	11.300	11.477	0.212	28.340	1.847	101.000
57	2.850	9.350	12.940	13.210	0.252	43.220	1.908	93.400
58	2.900	9.514	16.750	17.123	0.401	59.720	2.342	89.100
59	2.950	9.678	27.550	27.827	0.635	44.330	2.282	95.700
60	3.000	9.842	29.120	29.190	0.818	11.140	2.802	86.300
61	3.050	10.006	23.850	23.916	0.767	10.580	3.207	83.000
62	3.100	10.170	29.720	29.943	0.740	35.800	2.471	90.500
63	3.150	10.335	36.940	37.003	0.763	10.060	2.062	85.600
64	3.200	10.499	32.980	33.004	0.876	3.880	2.654	92.200
65	3.250	10.663	26.890	26.878	0.872	-1.870	3.244	82.000
66	3.300	10.827	21.320	21.296	0.686	-3.850	3.221	82.400
67	3.350	10.991	16.300	16.274	0.390	-4.230	2.397	96.400
68	3.400	11.155	13.400	13.387	0.185	-2.050	1.382	88.400
69	3.450	11.319	10.930	10.931	0.127	0.100	1.162	92.200
70	3.500	11.483	9.880	9.892	0.096	1.880	0.971	91.200
71	3.550	11.647	8.940	8.961	0.092	3.310	1.027	87.600
72	3.600	11.811	7.900	7.930	0.087	4.790	1.097	78.000
73	3.650	11.975	10.960	11.033	0.061	11.670	0.553	89.100
74	3.700	12.139	10.180	10.240	0.037	9.580	0.361	86.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	9.190	9.277	0.052	13.950	0.561	90.000
76	3.800	12.467	8.670	8.820	0.083	23.990	0.941	108.600
77	3.850	12.631	9.970	10.140	0.235	27.290	2.317	97.300
78	3.900	12.795	10.850	10.938	0.450	14.080	4.114	90.900
79	3.950	12.959	10.590	10.640	0.609	7.990	5.724	90.100
80	4.000	13.123	11.020	11.079	0.595	9.430	5.371	101.200
81	4.050	13.287	10.890	10.943	0.580	8.460	5.300	104.800
82	4.100	13.451	11.340	11.380	0.531	6.360	4.666	110.700
83	4.150	13.615	12.380	12.438	0.530	9.230	4.261	99.700
84	4.200	13.779	11.540	11.582	0.541	6.680	4.671	97.800
85	4.250	13.943	10.670	10.693	0.543	3.760	5.078	100.700
86	4.300	14.107	11.320	11.354	0.495	5.370	4.360	90.300
87	4.350	14.271	15.560	15.627	0.496	10.720	3.174	79.100
88	4.400	14.436	19.250	19.268	0.564	2.940	2.927	98.600
89	4.450	14.600	19.470	19.442	0.611	-4.540	3.143	80.100
90	4.500	14.764	17.980	17.944	0.503	-5.700	2.803	59.400
91	4.550	14.928	15.140	15.077	0.476	-10.160	3.157	41.900
92	4.600	15.092	17.620	17.607	0.475	-2.030	2.698	32.700
93	4.650	15.256	25.030	25.077	0.552	7.560	2.201	23.800
94	4.700	15.420	11.430	11.535	0.528	16.860	4.577	18.500
95	4.750	15.584	21.110	21.165	0.695	8.760	3.284	18.200
96	4.800	15.748	34.230	34.262	0.747	5.080	2.180	15.700
97	4.850	15.912	18.050	18.190	0.794	22.500	4.365	12.500
98	4.900	16.076	16.010	16.117	0.590	17.080	3.661	13.500
99	4.950	16.240	11.190	11.325	0.580	21.690	5.121	8.200
100	5.000	16.404	20.170	20.230	0.658	9.680	3.253	15.000
101	5.050	16.568	28.950	28.956	0.683	0.900	2.359	13.200
102	5.100	16.732	15.550	15.736	0.818	29.780	5.198	15.100
103	5.150	16.896	16.860	16.880	0.727	3.170	4.307	10.300
104	5.200	17.060	11.150	11.195	0.468	7.280	4.180	19.500
105	5.250	17.224	2.760	2.778	0.344	2.930	12.382	23.200
106	5.300	17.388	13.730	13.876	0.412	23.370	2.969	21.200
107	5.350	17.552	17.240	17.684	0.453	71.130	2.562	16.600
108	5.400	17.716	12.940	12.950	0.393	1.630	3.035	25.800
109	5.450	17.880	5.780	5.732	0.310	-7.640	5.408	23.000
110	5.500	18.044	12.370	12.419	0.309	7.860	2.488	21.100
111	5.550	18.208	17.070	17.115	0.430	7.170	2.512	26.300
112	5.600	18.372	87.040	87.177	0.679	21.950	0.779	26.700
113	5.650	18.537	93.300	93.331	1.134	5.040	1.215	40.300
114	5.700	18.701	48.360	48.372	1.264	1.930	2.613	39.300
115	5.750	18.865	21.100	21.144	1.210	7.090	5.723	46.700
116	5.800	19.029	19.340	19.397	0.887	9.160	4.573	61.800
117	5.850	19.193	17.720	17.732	0.633	1.920	3.570	74.800
118	5.900	19.357	12.300	12.442	0.706	22.680	5.675	86.500
119	5.950	19.521	12.130	12.212	0.771	13.110	6.314	85.400
120	6.000	19.685	12.580	12.723	0.873	22.910	6.862	99.700
121	6.050	19.849	15.650	15.864	0.838	34.240	5.282	87.700
122	6.100	20.013	17.810	18.093	0.902	45.280	4.985	97.500
123	6.150	20.177	19.000	19.278	0.993	44.560	5.151	93.900
124	6.200	20.341	19.000	19.355	0.877	56.920	4.531	95.000
125	6.250	20.505	22.410	22.902	0.847	78.770	3.698	89.100
126	6.300	20.669	25.940	26.444	0.914	80.760	3.456	68.600
127	6.350	20.833	147.910	147.842	1.126	-10.840	0.762	64.300
128	6.400	20.997	75.440	75.341	1.588	-15.790	2.108	67.400
129	6.450	21.161	80.610	80.582	2.384	-4.450	2.958	70.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	74.600	74.568	1.285	-5.110	1.723	65.200
131	6.550	21.489	64.790	64.816	0.791	4.210	1.220	46.800
132	6.600	21.653	17.180	17.194	0.682	2.290	3.966	44.200
133	6.650	21.817	14.710	14.775	0.504	10.350	3.411	37.700
134	6.700	21.981	19.080	19.163	0.588	13.310	3.068	35.100
135	6.750	22.145	50.800	50.837	0.941	5.900	1.851	24.200
136	6.800	22.309	48.820	48.871	1.071	8.090	2.192	22.500
137	6.850	22.473	33.610	33.727	0.986	18.790	2.923	20.200
138	6.900	22.638	31.180	31.239	0.775	9.530	2.481	18.900
139	6.950	22.802	43.070	43.105	0.587	5.550	1.362	20.000
140	7.000	22.966	35.750	35.787	0.628	5.860	1.755	23.900
141	7.050	23.130	18.250	18.279	0.556	4.590	3.042	19.600
142	7.100	23.294	21.670	21.707	0.481	5.930	2.216	29.900
143	7.150	23.458	16.880	16.928	0.336	7.720	1.985	26.300
144	7.200	23.622	8.830	8.892	0.278	9.960	3.126	39.000
145	7.250	23.786	15.970	16.037	0.346	10.730	2.158	35.900
146	7.300	23.950	15.900	15.944	0.348	7.100	2.183	33.500
147	7.350	24.114	28.900	28.940	0.449	6.330	1.552	40.400
148	7.400	24.278	59.640	59.694	0.590	8.670	0.988	41.300
149	7.450	24.442	27.440	27.459	0.581	3.000	2.116	41.900
150	7.500	24.606	50.850	50.878	0.807	4.470	1.586	48.800
151	7.550	24.770	98.570	98.636	0.878	10.530	0.890	56.900
152	7.600	24.934	50.490	50.557	0.954	10.670	1.887	56.900
153	7.650	25.098	22.170	22.203	0.822	5.260	3.702	57.100
154	7.700	25.262	18.270	18.313	0.439	6.830	2.397	75.000
155	7.750	25.426	21.830	21.861	0.349	4.950	1.596	90.500
156	7.800	25.590	18.660	18.689	0.323	4.690	1.728	77.000
157	7.850	25.754	17.140	17.158	0.282	2.860	1.644	92.600
158	7.900	25.918	17.640	17.674	0.254	5.450	1.437	95.600
159	7.950	26.082	17.460	17.507	0.233	7.510	1.331	97.200
160	8.000	26.246	16.920	16.949	0.276	4.620	1.628	83.700
161	8.050	26.410	17.130	17.155	0.346	4.050	2.017	93.300
162	8.100	26.574	13.700	13.728	0.422	4.430	3.074	88.500
163	8.150	26.739	11.150	11.185	0.443	5.540	3.961	88.500
164	8.200	26.903	9.070	9.094	0.408	3.870	4.486	90.400
165	8.250	27.067	8.410	8.432	0.386	3.600	4.578	98.400
166	8.300	27.231	8.610	8.632	0.396	3.600	4.587	93.400
167	8.350	27.395	9.920	9.942	0.338	3.600	3.400	94.800
168	8.400	27.559	16.780	16.810	0.234	4.880	1.392	89.800
169	8.450	27.723	31.140	31.213	0.503	11.690	1.612	80.700
170	8.500	27.887	32.920	32.962	0.612	6.650	1.857	85.100
171	8.550	28.051	27.090	27.136	0.621	7.350	2.288	83.100
172	8.600	28.215	38.200	38.235	0.475	5.590	1.242	85.000
173	8.650	28.379	51.020	51.055	0.599	5.610	1.173	0.000
174	8.700	28.543	51.340	51.372	0.849	5.070	1.653	0.000
175	8.750	28.707	56.650	56.704	1.014	8.650	1.788	0.000
176	8.800	28.871	98.180	98.247	1.198	10.780	1.219	0.000
177	8.850	29.035	90.150	90.201	1.476	8.150	1.636	0.000
178	8.900	29.199	60.180	60.222	1.535	6.750	2.549	0.000
179	8.950	29.363	45.200	45.253	1.401	8.440	3.096	0.000
180	9.000	29.527	48.910	49.033	1.371	19.630	2.796	0.000
181	9.050	29.691	56.450	56.537	1.088	13.980	1.924	0.000
182	9.100	29.855	53.720	53.786	1.000	10.500	1.859	0.000
183	9.150	30.019	52.930	52.973	0.712	6.860	1.344	0.000
184	9.200	30.183	58.090	58.125	0.648	5.610	1.115	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	66.940	66.973	1.010	5.220	1.508	0.000
186	9.300	30.511	98.140	98.177	1.591	5.910	1.621	0.000
187	9.350	30.675	413.220	413.298	0.000	12.460	0.000	0.000
188	9.400	30.840	428.830	428.904	0.000	11.920	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221651
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-16-4
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-23-2013
CPT Time:	10:38
CPT File:	13-53075_GP16-4.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722321.623
Northing / Lat:	4294369.881
Elevation:	143.888
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	8.750	8.871	0.000	19.360	0.000	28.900
2	0.100	0.328	21.080	21.124	0.067	7.050	0.317	47.300
3	0.150	0.492	34.360	34.384	0.066	3.810	0.192	60.300
4	0.200	0.656	43.800	43.828	0.312	4.490	0.712	66.900
5	0.250	0.820	22.050	22.147	0.456	15.470	2.059	90.400
6	0.300	0.984	17.690	17.728	0.615	6.160	3.469	82.400
7	0.350	1.148	36.960	37.031	0.771	11.440	2.082	92.400
8	0.400	1.312	65.810	65.834	0.972	3.790	1.476	104.400
9	0.450	1.476	57.770	57.784	0.939	2.320	1.625	115.000
10	0.500	1.640	42.750	42.758	0.928	1.340	2.170	109.900
11	0.550	1.804	35.180	35.213	0.755	5.280	2.144	106.900
12	0.600	1.968	34.270	34.286	0.766	2.630	2.234	107.600
13	0.650	2.133	41.310	41.324	0.827	2.290	2.001	109.700
14	0.700	2.297	52.200	52.215	0.908	2.460	1.739	94.400
15	0.750	2.461	60.630	60.641	0.910	1.810	1.501	101.400
16	0.800	2.625	67.450	67.461	0.824	1.800	1.221	103.300
17	0.850	2.789	73.980	73.991	0.954	1.770	1.289	100.200
18	0.900	2.953	71.760	71.770	1.359	1.660	1.894	124.100
19	0.950	3.117	64.270	64.285	1.500	2.410	2.333	95.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	52.680	52.691	1.396	1.700	2.649	99.000
21	1.050	3.445	48.620	48.624	1.170	0.690	2.406	104.600
22	1.100	3.609	47.110	47.117	1.017	1.060	2.158	82.400
23	1.150	3.773	46.660	46.670	0.956	1.660	2.048	98.800
24	1.200	3.937	48.210	48.219	1.131	1.400	2.346	105.500
25	1.250	4.101	45.520	45.530	1.219	1.620	2.677	83.100
26	1.300	4.265	36.190	36.194	1.276	0.640	3.525	103.500
27	1.350	4.429	29.890	29.900	1.156	1.590	3.866	96.700
28	1.400	4.593	24.860	24.872	0.943	1.880	3.791	84.600
29	1.450	4.757	20.940	20.940	0.730	0.080	3.486	103.000
30	1.500	4.921	17.110	17.107	0.661	-0.480	3.864	102.100
31	1.550	5.085	16.490	16.499	0.579	1.430	3.509	95.400
32	1.600	5.249	15.890	15.899	0.520	1.400	3.271	96.900
33	1.650	5.413	15.380	15.382	0.473	0.330	3.075	95.700
34	1.700	5.577	15.400	15.391	0.430	-1.390	2.794	98.600
35	1.750	5.741	14.420	14.405	0.414	-2.380	2.874	93.100
36	1.800	5.905	14.150	14.145	0.398	-0.770	2.814	83.400
37	1.850	6.069	13.020	13.020	0.392	0.040	3.011	82.500
38	1.900	6.234	11.750	11.752	0.391	0.300	3.327	85.000
39	1.950	6.398	10.810	10.813	0.343	0.480	3.172	80.700
40	2.000	6.562	11.010	11.020	0.301	1.640	2.731	91.900
41	2.050	6.726	14.990	14.977	0.256	-2.130	1.709	86.100
42	2.100	6.890	15.540	15.525	0.209	-2.410	1.346	78.000
43	2.150	7.054	14.820	14.817	0.193	-0.530	1.303	76.100
44	2.200	7.218	14.230	14.224	0.214	-1.030	1.505	90.100
45	2.250	7.382	10.640	10.632	0.210	-1.330	1.975	80.600
46	2.300	7.546	8.560	8.563	0.173	0.520	2.020	72.700
47	2.350	7.710	9.750	9.763	0.246	2.020	2.520	78.400
48	2.400	7.874	11.840	11.859	0.281	3.120	2.369	82.600
49	2.450	8.038	10.680	10.724	0.284	7.100	2.648	87.000
50	2.500	8.202	17.910	17.890	0.249	-3.270	1.392	82.200
51	2.550	8.366	24.320	24.367	0.570	7.520	2.339	66.700
52	2.600	8.530	23.370	23.376	0.438	0.890	1.874	92.000
53	2.650	8.694	9.410	9.435	0.408	3.960	4.324	84.500
54	2.700	8.858	13.510	13.545	0.319	5.610	2.355	87.900
55	2.750	9.022	20.040	20.033	0.383	-1.070	1.912	95.600
56	2.800	9.186	18.840	18.809	0.489	-4.990	2.600	99.300
57	2.850	9.350	16.540	16.488	0.553	-8.400	3.354	86.100
58	2.900	9.514	17.150	17.086	0.559	-10.230	3.272	100.700
59	2.950	9.678	19.170	19.111	0.589	-9.460	3.082	107.000
60	3.000	9.842	19.520	19.459	0.628	-9.760	3.227	101.000
61	3.050	10.006	18.460	18.396	0.675	-10.330	3.669	99.200
62	3.100	10.170	17.690	17.626	0.697	-10.200	3.954	107.900
63	3.150	10.335	16.740	16.677	0.712	-10.100	4.269	108.200
64	3.200	10.499	14.870	14.808	0.726	-9.950	4.903	97.900
65	3.250	10.663	13.840	13.777	0.701	-10.040	5.088	96.900
66	3.300	10.827	14.340	14.306	0.635	-5.430	4.439	91.400
67	3.350	10.991	13.970	13.931	0.591	-6.240	4.242	94.200
68	3.400	11.155	13.010	12.968	0.565	-6.760	4.357	92.000
69	3.450	11.319	11.380	11.327	0.402	-8.480	3.549	75.500
70	3.500	11.483	9.810	9.759	0.245	-8.120	2.510	86.900
71	3.550	11.647	10.150	10.108	0.133	-6.700	1.316	76.800
72	3.600	11.811	8.250	8.210	0.095	-6.450	1.157	75.600
73	3.650	11.975	7.050	7.020	0.052	-4.780	0.741	91.200
74	3.700	12.139	7.300	7.287	0.037	-2.100	0.508	95.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	6.360	6.360	0.060	-0.050	0.943	82.800
76	3.800	12.467	5.760	5.772	0.058	1.920	1.005	84.900
77	3.850	12.631	5.340	5.359	0.059	3.020	1.101	79.800
78	3.900	12.795	5.160	5.188	0.049	4.500	0.944	82.800
79	3.950	12.959	4.670	4.703	0.027	5.280	0.574	97.900
80	4.000	13.123	5.920	5.971	0.142	8.170	2.378	93.600
81	4.050	13.287	12.090	12.126	0.387	5.710	3.192	111.200
82	4.100	13.451	16.830	16.871	0.586	6.640	3.473	113.300
83	4.150	13.615	19.870	19.924	0.696	8.660	3.493	116.200
84	4.200	13.779	19.880	19.899	0.626	3.070	3.146	95.300
85	4.250	13.943	20.810	20.832	0.633	3.570	3.039	100.600
86	4.300	14.107	19.420	19.431	0.646	1.800	3.325	98.300
87	4.350	14.271	17.170	17.170	0.666	-0.020	3.879	97.600
88	4.400	14.436	17.790	17.782	0.731	-1.220	4.111	89.400
89	4.450	14.600	27.700	27.695	0.703	-0.840	2.538	91.300
90	4.500	14.764	37.660	37.642	0.733	-2.920	1.947	88.100
91	4.550	14.928	34.180	34.138	0.825	-6.780	2.417	75.300
92	4.600	15.092	25.010	24.965	0.820	-7.240	3.285	55.800
93	4.650	15.256	22.180	22.201	1.000	3.340	4.504	45.500
94	4.700	15.420	25.470	25.509	1.056	6.260	4.140	33.700
95	4.750	15.584	57.310	57.345	0.999	5.620	1.742	34.700
96	4.800	15.748	29.590	29.632	0.786	6.790	2.653	36.000
97	4.850	15.912	33.930	33.942	0.732	1.950	2.157	33.400
98	4.900	16.076	17.200	17.244	0.587	6.980	3.404	39.800
99	4.950	16.240	10.810	10.859	0.335	7.770	3.085	27.200
100	5.000	16.404	50.360	50.513	0.493	24.440	0.976	27.800
101	5.050	16.568	78.030	78.047	0.955	2.690	1.224	21.300
102	5.100	16.732	25.760	25.776	0.825	2.590	3.201	22.700
103	5.150	16.896	6.430	6.466	0.662	5.760	10.238	22.700
104	5.200	17.060	7.870	7.910	0.341	6.460	4.311	17.700
105	5.250	17.224	15.920	15.981	0.235	9.760	1.471	19.800
106	5.300	17.388	9.630	9.667	0.194	5.870	2.007	19.200
107	5.350	17.552	10.150	10.159	0.344	1.460	3.386	16.500
108	5.400	17.716	24.400	24.431	0.306	4.960	1.253	15.100
109	5.450	17.880	19.270	19.295	0.713	4.040	3.695	13.900
110	5.500	18.044	31.080	31.138	0.811	9.300	2.605	12.700
111	5.550	18.208	23.750	23.619	0.904	-20.980	3.827	8.700
112	5.600	18.372	18.750	18.714	0.752	-5.790	4.018	7.500
113	5.650	18.537	14.860	14.881	1.576	3.440	10.590	10.800
114	5.700	18.701	23.380	23.644	0.979	42.360	4.141	11.500
115	5.750	18.865	29.300	29.342	0.946	6.730	3.224	11.900
116	5.800	19.029	18.650	18.853	1.021	32.510	5.416	11.100
117	5.850	19.193	18.560	18.579	0.667	3.110	3.590	15.600
118	5.900	19.357	15.430	15.562	0.462	21.100	2.969	18.900
119	5.950	19.521	19.540	19.632	0.417	14.790	2.124	19.800
120	6.000	19.685	21.230	21.282	0.699	8.340	3.284	24.000
121	6.050	19.849	14.250	14.290	0.726	6.360	5.081	25.700
122	6.100	20.013	81.390	81.498	0.760	17.310	0.933	27.800
123	6.150	20.177	98.280	98.321	0.675	6.540	0.687	30.700
124	6.200	20.341	59.650	59.667	1.008	2.650	1.689	40.200
125	6.250	20.505	17.400	17.438	0.850	6.020	4.875	45.600
126	6.300	20.669	11.290	11.441	0.542	24.120	4.738	59.400
127	6.350	20.833	9.990	10.226	0.218	37.800	2.132	63.900
128	6.400	20.997	10.230	10.430	0.198	32.040	1.898	71.400
129	6.450	21.161	14.260	14.510	0.228	40.070	1.571	71.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	18.340	18.706	0.319	58.560	1.705	70.900
131	6.550	21.489	24.680	24.986	0.420	49.070	1.681	83.000
132	6.600	21.653	23.180	23.254	0.477	11.860	2.051	79.000
133	6.650	21.817	20.460	20.642	0.482	29.080	2.335	71.000
134	6.700	21.981	21.270	21.481	1.022	33.740	4.758	66.500
135	6.750	22.145	41.220	41.177	0.912	-6.810	2.215	72.800
136	6.800	22.309	23.740	23.696	1.135	-7.020	4.790	71.500
137	6.850	22.473	21.080	21.082	0.976	0.330	4.630	72.900
138	6.900	22.638	18.920	18.902	0.709	-2.950	3.751	65.600
139	6.950	22.802	14.070	14.039	0.643	-5.040	4.580	49.900
140	7.000	22.966	18.320	18.321	0.310	0.090	1.692	47.900
141	7.050	23.130	21.970	21.845	0.203	-20.070	0.929	44.100
142	7.100	23.294	21.260	21.254	0.139	-0.900	0.654	44.600
143	7.150	23.458	17.640	17.652	0.144	1.960	0.816	36.400
144	7.200	23.622	23.690	23.762	0.236	11.470	0.993	38.400
145	7.250	23.786	17.840	17.900	0.311	9.580	1.737	37.900
146	7.300	23.950	29.150	29.196	0.217	7.430	0.743	44.600
147	7.350	24.114	29.550	29.592	0.303	6.650	1.024	50.400
148	7.400	24.278	8.480	8.523	0.224	6.850	2.628	61.100
149	7.450	24.442	18.950	19.015	0.183	10.440	0.962	70.300
150	7.500	24.606	21.150	21.209	0.172	9.410	0.811	65.000
151	7.550	24.770	12.940	12.961	0.183	3.300	1.412	79.500
152	7.600	24.934	12.000	12.026	0.180	4.240	1.497	80.200
153	7.650	25.098	14.070	14.110	0.174	6.340	1.233	76.800
154	7.700	25.262	18.880	18.926	0.145	7.390	0.766	73.800
155	7.750	25.426	21.950	21.999	0.141	7.840	0.641	82.000
156	7.800	25.590	25.430	25.488	0.128	9.360	0.502	89.900
157	7.850	25.754	27.410	27.469	0.136	9.510	0.495	96.700
158	7.900	25.918	28.500	28.555	0.168	8.880	0.588	90.200
159	7.950	26.082	28.420	28.478	0.195	9.290	0.685	100.200
160	8.000	26.246	27.280	27.330	0.237	8.040	0.867	101.600
161	8.050	26.410	26.200	26.254	0.315	8.640	1.200	102.100
162	8.100	26.574	26.020	26.084	0.382	10.240	1.465	83.400
163	8.150	26.739	25.070	25.136	0.298	10.520	1.186	88.900
164	8.200	26.903	25.260	25.331	0.255	11.310	1.007	88.500
165	8.250	27.067	25.750	25.822	0.259	11.490	1.003	87.600
166	8.300	27.231	25.350	25.428	0.253	12.450	0.995	86.600
167	8.350	27.395	23.550	23.634	0.253	13.490	1.070	88.100
168	8.400	27.559	21.880	21.969	0.255	14.220	1.161	84.200
169	8.450	27.723	21.780	21.869	0.254	14.320	1.161	86.800
170	8.500	27.887	21.770	21.866	0.273	15.450	1.248	97.900
171	8.550	28.051	21.460	21.586	0.264	20.250	1.223	81.000
172	8.600	28.215	21.180	21.302	0.325	19.550	1.526	94.400
173	8.650	28.379	22.260	22.383	0.358	19.750	1.599	82.200
174	8.700	28.543	22.650	22.739	0.315	14.300	1.385	82.500
175	8.750	28.707	19.140	19.173	0.338	5.300	1.763	88.400
176	8.800	28.871	19.390	19.404	0.274	2.250	1.412	81.300
177	8.850	29.035	33.450	33.475	0.347	4.040	1.037	87.400
178	8.900	29.199	43.000	43.016	0.431	2.600	1.002	98.200
179	8.950	29.363	38.280	38.360	0.428	12.880	1.116	88.100
180	9.000	29.527	34.290	34.382	0.550	14.750	1.600	91.400
181	9.050	29.691	30.340	30.413	0.573	11.680	1.884	92.100
182	9.100	29.855	25.610	25.704	0.343	15.040	1.334	97.300
183	9.150	30.019	33.740	33.957	0.359	34.830	1.057	83.500
184	9.200	30.183	49.950	50.120	0.420	27.260	0.838	84.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	47.610	47.788	0.495	28.570	1.036	94.100
186	9.300	30.511	45.350	45.561	0.430	33.740	0.944	88.400
187	9.350	30.675	40.710	40.902	0.411	30.810	1.005	93.300
188	9.400	30.840	38.440	38.618	0.435	28.530	1.126	81.200
189	9.450	31.004	35.670	35.843	0.307	27.640	0.857	89.400
190	9.500	31.168	29.290	29.449	0.377	25.440	1.280	84.000
191	9.550	31.332	28.050	28.181	0.374	20.960	1.327	86.600
192	9.600	31.496	22.000	22.115	0.209	18.450	0.945	91.700
193	9.650	31.660	19.350	19.466	0.163	18.600	0.837	89.200
194	9.700	31.824	20.160	20.280	0.259	19.240	1.277	86.500
195	9.750	31.988	20.460	20.568	0.260	17.330	1.264	90.000
196	9.800	32.152	18.400	18.469	0.314	11.050	1.700	84.400
197	9.850	32.316	17.410	17.454	0.248	7.090	1.421	84.300
198	9.900	32.480	14.630	14.655	0.465	4.060	3.173	72.100
199	9.950	32.644	14.090	14.099	0.551	1.500	3.908	73.900
200	10.000	32.808	95.910	95.934	0.441	3.820	0.460	71.100
201	10.050	32.972	157.410	157.416	0.319	0.990	0.203	67.000
202	10.100	33.136	185.360	185.359	0.265	-0.200	0.143	64.700
203	10.150	33.300	149.280	149.287	1.206	1.190	0.808	57.000
204	10.200	33.464	203.030	203.055	1.549	4.070	0.763	59.100
205	10.250	33.628	139.910	139.914	3.992	0.580	2.853	58.900
206	10.300	33.792	131.120	131.155	4.364	5.600	3.327	65.800
207	10.350	33.956	128.250	128.274	2.188	3.920	1.706	60.400
208	10.400	34.120	99.000	99.019	0.363	2.990	0.367	66.600
209	10.450	34.284	10.040	10.056	0.284	2.580	2.824	71.200
210	10.500	34.448	9.720	9.784	0.260	10.270	2.657	59.500
211	10.550	34.612	10.150	10.225	0.263	11.970	2.572	58.300
212	10.600	34.776	10.720	10.800	0.354	12.750	3.278	68.100
213	10.650	34.941	11.400	11.504	0.468	16.670	4.068	63.600
214	10.700	35.105	27.040	27.077	0.435	6.000	1.607	68.700
215	10.750	35.269	44.930	44.968	0.601	6.090	1.337	76.200
216	10.800	35.433	53.260	53.334	0.677	11.820	1.269	72.700
217	10.850	35.597	65.120	65.169	0.787	7.860	1.208	69.700
218	10.900	35.761	164.430	164.543	1.094	18.130	0.665	64.700
219	10.950	35.925	196.120	196.271	1.390	24.140	0.708	74.400
220	11.000	36.089	151.880	151.934	1.568	8.710	1.032	57.000
221	11.050	36.253	74.630	74.649	2.471	3.020	3.310	84.700
222	11.100	36.417	37.250	37.570	2.571	51.310	6.843	84.600
223	11.150	36.581	32.710	33.018	0.560	49.370	1.696	86.000
224	11.200	36.745	13.280	13.516	0.588	37.750	4.351	90.900
225	11.250	36.909	15.790	15.892	0.650	16.320	4.090	88.700
226	11.300	37.073	16.510	16.581	0.700	11.350	4.222	83.300
227	11.350	37.237	17.350	17.383	0.736	5.250	4.234	94.600
228	11.400	37.401	17.880	17.898	0.782	2.920	4.369	96.000
229	11.450	37.565	16.630	16.640	0.798	1.640	4.796	100.200
230	11.500	37.729	16.910	16.927	1.186	2.670	7.007	92.400
231	11.550	37.893	43.920	43.902	1.492	-2.870	3.398	97.300
232	11.600	38.057	22.450	22.418	1.446	-5.060	6.450	96.300
233	11.650	38.221	17.730	17.704	1.289	-4.240	7.281	96.000
234	11.700	38.385	17.360	17.331	0.818	-4.640	4.720	100.100
235	11.750	38.549	16.190	16.159	0.792	-5.010	4.901	90.000
236	11.800	38.713	15.990	15.958	0.891	-5.130	5.583	92.300
237	11.850	38.877	15.350	15.316	0.654	-5.480	4.270	85.300
238	11.900	39.042	24.680	24.660	0.668	-3.170	2.709	77.600
239	11.950	39.206	239.120	239.053	1.172	-10.790	0.490	78.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	255.110	255.046	1.006	-10.250	0.394	76.200
241	12.050	39.534	109.470	109.374	1.912	-15.390	1.748	75.500
242	12.100	39.698	68.780	68.687	2.306	-14.820	3.357	83.300
243	12.150	39.862	176.410	176.365	3.866	-7.210	2.192	85.900
244	12.200	40.026	24.930	24.890	3.666	-6.370	14.729	83.300
245	12.250	40.190	24.440	24.373	3.802	-10.750	15.599	84.600
246	12.300	40.354	8.270	8.204	0.768	-10.640	9.362	80.600
247	12.350	40.518	10.060	9.997	2.342	-10.020	23.426	85.500
248	12.400	40.682	73.250	73.186	2.678	-10.250	3.659	81.800
249	12.450	40.846	14.390	14.346	0.772	-7.050	5.381	79.600
250	12.500	41.010	21.470	21.358	1.337	-18.000	6.260	80.800
251	12.550	41.174	84.910	84.879	1.019	-4.970	1.201	80.600
252	12.600	41.338	126.120	126.083	0.763	-5.940	0.605	0.000
253	12.650	41.502	50.400	50.302	2.065	-15.680	4.105	0.000
254	12.700	41.666	71.080	71.035	3.210	-7.180	4.519	0.000
255	12.750	41.830	17.390	17.385	4.006	-0.800	23.043	0.000
256	12.800	41.994	20.220	20.167	0.928	-8.550	4.602	0.000
257	12.850	42.158	5.990	5.934	1.269	-9.040	21.387	0.000
258	12.900	42.322	74.390	74.521	2.227	21.060	2.988	0.000
259	12.950	42.486	21.960	21.938	2.010	-3.480	9.162	0.000
260	13.000	42.650	9.400	9.355	0.499	-7.200	5.334	0.000
261	13.050	42.814	4.980	4.930	0.281	-8.070	5.700	0.000
262	13.100	42.978	3.810	3.748	0.237	-9.950	6.324	0.000
263	13.150	43.143	3.050	2.967	1.594	-13.260	53.720	0.000
264	13.200	43.307	22.540	22.478	3.974	-9.980	17.680	0.000
265	13.250	43.471	122.630	122.616	5.386	-2.180	4.393	0.000
266	13.300	43.635	294.720	294.685	0.000	-5.580	0.000	0.000
267	13.350	43.799	347.440	347.407	0.000	-5.290	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221653
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-16-5
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-23-2013
CPT Time:	10:38
CPT File:	13-53075_GP16-5.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722333.369
Northing / Lat:	4294358.826
Elevation:	144.361
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	4.670	4.726	0.000	9.040	0.000	38.400
2	0.100	0.328	29.020	29.029	0.035	1.460	0.121	37.400
3	0.150	0.492	28.490	28.492	0.129	0.380	0.453	55.400
4	0.200	0.656	28.510	28.521	0.212	1.770	0.743	60.200
5	0.250	0.820	35.650	35.650	0.281	0.060	0.788	78.300
6	0.300	0.984	13.070	13.120	0.368	8.010	2.805	81.200
7	0.350	1.148	19.000	19.007	0.458	1.070	2.410	99.800
8	0.400	1.312	26.800	26.761	0.479	-6.220	1.790	100.100
9	0.450	1.476	33.050	33.036	0.526	-2.190	1.592	110.800
10	0.500	1.640	33.830	33.842	0.536	1.900	1.584	95.200
11	0.550	1.804	37.030	37.042	0.674	1.900	1.820	107.000
12	0.600	1.968	35.300	35.302	0.823	0.360	2.331	105.100
13	0.650	2.133	32.670	32.670	0.933	-0.040	2.856	95.100
14	0.700	2.297	29.820	29.822	0.975	0.300	3.269	105.500
15	0.750	2.461	30.540	30.544	1.029	0.610	3.369	99.500
16	0.800	2.625	32.920	32.920	0.976	-0.030	2.965	88.700
17	0.850	2.789	34.220	34.222	0.820	0.250	2.396	101.900
18	0.900	2.953	35.610	35.611	0.678	0.210	1.904	100.200
19	0.950	3.117	34.730	34.729	0.513	-0.090	1.477	97.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	31.750	31.750	0.414	-0.060	1.304	109.200
21	1.050	3.445	28.480	28.481	0.307	0.160	1.078	105.800
22	1.100	3.609	23.710	23.711	0.245	0.130	1.033	102.800
23	1.150	3.773	20.410	20.409	0.237	-0.090	1.161	103.800
24	1.200	3.937	16.940	16.939	0.262	-0.140	1.547	102.700
25	1.250	4.101	14.550	14.548	0.312	-0.280	2.145	97.700
26	1.300	4.265	15.150	15.153	0.381	0.470	2.514	99.400
27	1.350	4.429	22.980	22.985	0.507	0.800	2.206	91.900
28	1.400	4.593	31.110	31.114	0.616	0.620	1.980	109.100
29	1.450	4.757	35.130	35.127	0.726	-0.460	2.067	114.400
30	1.500	4.921	35.040	35.030	0.736	-1.570	2.101	98.900
31	1.550	5.085	34.040	34.012	0.650	-4.550	1.911	110.000
32	1.600	5.249	32.720	32.688	0.568	-5.130	1.738	87.700
33	1.650	5.413	31.180	31.170	0.584	-1.540	1.874	84.900
34	1.700	5.577	29.650	29.648	0.625	-0.370	2.108	86.800
35	1.750	5.741	24.950	24.941	0.562	-1.450	2.253	77.900
36	1.800	5.905	17.960	17.926	0.570	-5.380	3.180	77.200
37	1.850	6.069	13.230	13.224	0.461	-0.960	3.486	64.200
38	1.900	6.234	18.180	18.182	0.445	0.250	2.448	61.000
39	1.950	6.398	15.620	15.637	0.391	2.740	2.500	52.200
40	2.000	6.562	12.370	12.423	0.317	8.420	2.552	58.000
41	2.050	6.726	28.920	28.935	0.421	2.400	1.455	47.700
42	2.100	6.890	21.370	21.405	0.374	5.550	1.747	43.400
43	2.150	7.054	21.660	21.689	0.405	4.670	1.867	41.900
44	2.200	7.218	33.780	33.787	0.176	1.110	0.521	43.800
45	2.250	7.382	27.390	27.393	0.077	0.490	0.281	37.000
46	2.300	7.546	41.280	41.284	0.113	0.710	0.274	27.400
47	2.350	7.710	46.600	46.606	0.345	0.950	0.740	34.000
48	2.400	7.874	36.610	36.624	0.707	2.220	1.930	21.900
49	2.450	8.038	64.030	64.039	0.712	1.430	1.112	32.300
50	2.500	8.202	14.320	14.317	0.789	-0.550	5.511	44.200
51	2.550	8.366	36.270	36.295	1.700	3.960	4.684	38.100
52	2.600	8.530	53.280	53.300	1.067	3.210	2.002	42.200
53	2.650	8.694	15.400	15.391	1.454	-1.520	9.447	51.000
54	2.700	8.858	77.070	77.096	0.328	4.130	0.425	52.000
55	2.750	9.022	92.790	92.791	0.495	0.120	0.533	55.700
56	2.800	9.186	87.770	87.787	0.464	2.700	0.529	62.900
57	2.850	9.350	83.430	83.430	0.585	0.050	0.701	64.300
58	2.900	9.514	51.850	51.901	0.792	8.140	1.526	73.900
59	2.950	9.678	30.490	30.492	0.718	0.340	2.355	79.100
60	3.000	9.842	28.980	28.977	0.486	-0.520	1.677	75.900
61	3.050	10.006	29.340	29.340	0.399	-0.020	1.360	82.900
62	3.100	10.170	32.280	32.278	0.456	-0.320	1.413	85.900
63	3.150	10.335	35.130	35.133	0.479	0.410	1.363	83.300
64	3.200	10.499	33.890	33.887	0.512	-0.450	1.511	80.400
65	3.250	10.663	28.980	28.952	0.523	-4.520	1.806	91.100
66	3.300	10.827	23.930	23.886	0.469	-7.020	1.963	99.200
67	3.350	10.991	22.810	22.767	0.319	-6.900	1.401	89.000
68	3.400	11.155	19.050	19.009	0.198	-6.560	1.042	94.500
69	3.450	11.319	14.730	14.705	0.229	-4.030	1.557	100.700
70	3.500	11.483	14.440	14.493	0.194	8.490	1.339	93.700
71	3.550	11.647	13.150	13.305	0.238	24.880	1.789	97.400
72	3.600	11.811	15.650	16.134	0.337	77.540	2.089	103.800
73	3.650	11.975	23.550	24.373	0.411	131.800	1.686	96.200
74	3.700	12.139	28.640	28.663	0.500	3.730	1.744	99.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	28.850	29.033	0.585	29.370	2.015	95.700
76	3.800	12.467	30.330	30.311	0.600	-3.110	1.980	97.700
77	3.850	12.631	23.480	23.421	0.565	-9.420	2.412	101.100
78	3.900	12.795	17.120	17.074	0.541	-7.380	3.169	91.400
79	3.950	12.959	13.930	13.970	0.479	6.410	3.429	92.100
80	4.000	13.123	14.220	14.274	0.544	8.650	3.811	87.800
81	4.050	13.287	16.890	17.003	0.596	18.030	3.505	87.900
82	4.100	13.451	27.760	27.943	0.604	29.360	2.162	97.300
83	4.150	13.615	47.480	47.435	0.649	-7.150	1.368	92.300
84	4.200	13.779	37.240	37.164	0.689	-12.100	1.854	83.100
85	4.250	13.943	28.900	28.830	0.772	-11.190	2.678	89.600
86	4.300	14.107	27.580	27.536	0.681	-7.060	2.473	69.500
87	4.350	14.271	22.500	22.473	0.680	-4.260	3.026	69.000
88	4.400	14.436	17.960	17.956	0.618	-0.650	3.442	67.000
89	4.450	14.600	12.600	12.591	0.610	-1.390	4.845	62.500
90	4.500	14.764	12.540	12.528	0.484	-1.990	3.863	76.700
91	4.550	14.928	11.690	11.722	0.459	5.120	3.916	68.300
92	4.600	15.092	7.760	7.869	0.280	17.480	3.558	62.100
93	4.650	15.256	14.810	14.865	0.337	8.770	2.267	62.900
94	4.700	15.420	27.590	27.611	0.539	3.360	1.952	55.300
95	4.750	15.584	15.350	15.343	0.506	-1.170	3.298	40.600
96	4.800	15.748	6.460	6.555	0.475	15.240	7.246	40.900
97	4.850	15.912	29.220	29.241	0.569	3.420	1.946	33.400
98	4.900	16.076	41.360	41.377	0.675	2.780	1.631	48.300
99	4.950	16.240	27.690	27.732	0.884	6.790	3.188	46.200
100	5.000	16.404	25.760	25.771	0.777	1.780	3.015	43.700
101	5.050	16.568	9.990	10.014	0.558	3.770	5.572	44.700
102	5.100	16.732	8.190	8.205	0.320	2.440	3.900	46.300
103	5.150	16.896	5.380	5.439	0.300	9.450	5.516	50.100
104	5.200	17.060	6.360	6.388	0.264	4.530	4.133	56.200
105	5.250	17.224	6.250	6.275	0.241	3.940	3.841	59.900
106	5.300	17.388	19.410	19.419	0.293	1.410	1.509	67.200
107	5.350	17.552	10.730	10.769	0.387	6.210	3.594	71.500
108	5.400	17.716	9.620	9.709	0.484	14.300	4.985	68.700
109	5.450	17.880	17.180	17.200	0.544	3.210	3.163	71.700
110	5.500	18.044	12.510	12.531	0.526	3.300	4.198	74.700
111	5.550	18.208	11.730	11.739	0.456	1.450	3.884	79.100
112	5.600	18.372	8.570	8.581	0.329	1.750	3.834	79.000
113	5.650	18.537	12.270	12.269	0.314	-0.100	2.559	79.700
114	5.700	18.701	17.740	17.738	0.331	-0.360	1.866	86.400
115	5.750	18.865	22.580	22.574	0.495	-1.000	2.193	92.600
116	5.800	19.029	24.880	24.881	0.591	0.130	2.375	91.900
117	5.850	19.193	24.980	25.007	0.671	4.380	2.683	92.400
118	5.900	19.357	24.380	24.405	0.661	3.950	2.708	91.600
119	5.950	19.521	21.950	21.996	0.633	7.440	2.878	0.000
120	6.000	19.685	20.500	20.575	0.613	12.040	2.979	0.000
121	6.050	19.849	21.300	21.467	0.596	26.780	2.776	0.000
122	6.100	20.013	21.840	21.940	0.617	16.030	2.812	0.000
123	6.150	20.177	21.580	21.677	0.632	15.490	2.916	0.000
124	6.200	20.341	20.910	21.079	0.668	27.080	3.169	0.000
125	6.250	20.505	22.430	22.614	0.687	29.430	3.038	0.000
126	6.300	20.669	22.350	22.515	0.791	26.490	3.513	0.000
127	6.350	20.833	22.790	22.894	0.910	16.720	3.975	0.000
128	6.400	20.997	23.550	23.690	0.962	22.440	4.061	0.000
129	6.450	21.161	23.220	23.337	0.964	18.690	4.131	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	20.870	20.896	1.057	4.110	5.058	0.000
131	6.550	21.489	17.690	17.689	0.750	-0.240	4.240	0.000
132	6.600	21.653	94.070	94.015	2.886	-8.780	3.070	0.000
133	6.650	21.817	181.380	181.387	0.000	1.120	0.000	0.000
134	6.700	21.981	465.710	465.722	0.000	1.960	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221654
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-16-6
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-23-2013
CPT Time:	09:21
CPT File:	13-53075_GP16-6.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722343.270
Northing / Lat:	4294347.370
Elevation:	145.200
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
1	0.050	0.164	9.500	9.514	0.001	2.230	0.011	35.900
2	0.100	0.328	20.630	20.648	0.038	2.960	0.184	39.400
3	0.150	0.492	27.070	27.088	0.078	2.910	0.288	53.300
4	0.200	0.656	45.640	45.669	0.149	4.600	0.326	54.000
5	0.250	0.820	52.540	52.559	0.383	3.020	0.729	72.700
6	0.300	0.984	26.460	26.509	0.532	7.810	2.007	91.100
7	0.350	1.148	22.500	22.513	0.621	2.040	2.758	95.700
8	0.400	1.312	18.690	18.689	0.581	-0.230	3.109	81.200
9	0.450	1.476	19.690	19.692	0.432	0.380	2.194	85.200
10	0.500	1.640	28.260	28.265	0.378	0.860	1.337	91.200
11	0.550	1.804	39.190	39.207	0.375	2.720	0.956	92.500
12	0.600	1.968	39.500	39.513	0.445	2.140	1.126	99.200
13	0.650	2.133	41.440	41.450	0.827	1.560	1.995	105.500
14	0.700	2.297	43.910	43.929	1.137	3.060	2.588	94.600
15	0.750	2.461	46.270	46.289	1.442	3.020	3.115	98.900
16	0.800	2.625	52.260	52.273	1.569	2.120	3.002	99.000
17	0.850	2.789	47.420	47.428	1.433	1.210	3.021	89.600
18	0.900	2.953	46.030	46.038	1.151	1.210	2.500	90.600
19	0.950	3.117	42.810	42.812	0.855	0.380	1.997	95.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	37.650	37.651	0.670	0.220	1.779	77.400
21	1.050	3.445	29.980	29.978	0.574	-0.380	1.915	81.200
22	1.100	3.609	23.590	23.586	0.525	-0.570	2.226	87.200
23	1.150	3.773	16.970	16.965	0.446	-0.880	2.629	72.800
24	1.200	3.937	10.090	10.083	0.311	-1.070	3.084	77.200
25	1.250	4.101	6.760	6.752	0.278	-1.210	4.117	58.600
26	1.300	4.265	7.490	7.487	0.175	-0.410	2.337	55.400
27	1.350	4.429	13.400	13.398	0.187	-0.350	1.396	48.100
28	1.400	4.593	37.470	37.490	0.460	3.240	1.227	41.700
29	1.450	4.757	22.180	22.191	0.342	1.830	1.541	60.100
30	1.500	4.921	27.260	27.293	0.312	5.280	1.143	74.100
31	1.550	5.085	61.860	61.877	0.349	2.740	0.564	75.000
32	1.600	5.249	70.600	70.659	0.357	9.470	0.505	75.200
33	1.650	5.413	72.050	72.299	0.577	39.870	0.798	79.500
34	1.700	5.577	59.950	60.215	0.628	42.390	1.043	81.900
35	1.750	5.741	67.170	67.338	0.518	26.920	0.769	87.400
36	1.800	5.905	82.510	82.656	0.586	23.360	0.709	92.100
37	1.850	6.069	81.920	82.039	0.743	19.000	0.906	77.100
38	1.900	6.234	31.250	31.322	0.715	11.510	2.283	80.300
39	1.950	6.398	32.390	32.416	0.505	4.170	1.558	100.800
40	2.000	6.562	32.230	32.241	0.230	1.690	0.713	78.100
41	2.050	6.726	14.370	14.363	0.142	-1.190	0.989	85.200
42	2.100	6.890	7.810	7.801	0.067	-1.470	0.859	80.800
43	2.150	7.054	5.580	5.573	0.043	-1.140	0.772	68.200
44	2.200	7.218	5.090	5.087	0.133	-0.540	2.615	62.400
45	2.250	7.382	4.910	4.909	0.160	-0.220	3.260	51.400
46	2.300	7.546	5.200	5.199	0.245	-0.240	4.713	45.900
47	2.350	7.710	9.420	9.421	0.256	0.230	2.717	42.900
48	2.400	7.874	8.370	8.372	0.353	0.350	4.216	40.600
49	2.450	8.038	18.380	18.402	0.306	3.480	1.663	41.100
50	2.500	8.202	29.390	29.405	0.575	2.400	1.955	37.700
51	2.550	8.366	15.940	15.953	0.613	2.080	3.843	46.200
52	2.600	8.530	8.980	8.986	0.539	0.900	5.998	43.800
53	2.650	8.694	7.410	7.438	0.350	4.420	4.706	41.600
54	2.700	8.858	10.290	10.301	0.258	1.790	2.505	32.000
55	2.750	9.022	22.030	22.046	0.294	2.520	1.334	30.500
56	2.800	9.186	26.400	26.434	0.265	5.510	1.002	25.500
57	2.850	9.350	13.590	13.600	0.207	1.600	1.522	18.100
58	2.900	9.514	29.240	29.262	0.159	3.530	0.543	23.300
59	2.950	9.678	51.280	51.328	0.240	7.730	0.468	22.900
60	3.000	9.842	70.800	70.867	0.516	10.750	0.728	21.900
61	3.050	10.006	57.920	58.042	0.670	19.620	1.154	20.300
62	3.100	10.170	47.910	47.939	0.740	4.710	1.544	28.300
63	3.150	10.335	46.130	46.146	0.568	2.590	1.231	33.600
64	3.200	10.499	27.520	27.529	0.527	1.380	1.914	38.600
65	3.250	10.663	57.710	57.721	0.671	1.700	1.162	42.200
66	3.300	10.827	92.930	92.933	1.268	0.410	1.364	35.000
67	3.350	10.991	117.780	117.801	1.728	3.310	1.467	57.300
68	3.400	11.155	59.370	59.439	1.815	11.010	3.054	69.000
69	3.450	11.319	26.610	26.761	0.936	24.230	3.498	68.800
70	3.500	11.483	17.960	18.061	0.542	16.220	3.001	68.200
71	3.550	11.647	26.600	26.658	0.380	9.280	1.425	75.100
72	3.600	11.811	25.540	25.570	0.425	4.820	1.662	83.000
73	3.650	11.975	28.100	28.122	0.469	3.460	1.668	90.300
74	3.700	12.139	22.340	22.351	0.456	1.820	2.040	91.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	16.590	16.600	0.380	1.570	2.289	84.700
76	3.800	12.467	15.160	15.169	0.357	1.420	2.354	74.100
77	3.850	12.631	22.000	22.007	0.374	1.160	1.699	84.100
78	3.900	12.795	26.660	26.669	0.418	1.410	1.567	90.800
79	3.950	12.959	29.350	29.350	0.439	-0.080	1.496	88.100
80	4.000	13.123	28.060	28.050	0.436	-1.660	1.554	96.700
81	4.050	13.287	25.650	25.627	0.464	-3.710	1.811	104.600
82	4.100	13.451	21.340	21.308	0.405	-5.180	1.901	88.400
83	4.150	13.615	16.280	16.240	0.531	-6.380	3.270	110.000
84	4.200	13.779	19.800	19.759	0.528	-6.550	2.672	89.200
85	4.250	13.943	15.050	15.025	0.536	-3.940	3.567	90.600
86	4.300	14.107	16.410	16.414	0.594	0.610	3.619	91.300
87	4.350	14.271	16.030	16.049	0.778	2.990	4.848	104.100
88	4.400	14.436	16.230	16.256	0.972	4.100	5.979	82.800
89	4.450	14.600	26.200	26.231	0.909	4.910	3.465	92.900
90	4.500	14.764	15.180	15.197	0.672	2.660	4.422	66.200
91	4.550	14.928	18.650	18.719	0.434	11.130	2.318	52.100
92	4.600	15.092	17.240	17.261	0.399	3.430	2.312	47.200
93	4.650	15.256	16.390	16.417	0.410	4.380	2.497	51.000
94	4.700	15.420	8.700	8.714	0.207	2.250	2.375	47.400
95	4.750	15.584	17.200	17.224	0.130	3.840	0.755	54.000
96	4.800	15.748	29.090	29.113	0.097	3.660	0.333	60.500
97	4.850	15.912	22.480	22.489	0.102	1.500	0.454	52.600
98	4.900	16.076	45.840	45.853	0.048	2.140	0.105	45.700
99	4.950	16.240	29.820	29.844	0.216	3.920	0.724	44.600
100	5.000	16.404	8.180	8.183	0.050	0.500	0.611	40.000
101	5.050	16.568	26.650	26.660	0.478	1.560	1.793	40.300
102	5.100	16.732	29.320	29.324	0.473	0.680	1.613	48.300
103	5.150	16.896	124.120	124.136	1.149	2.610	0.926	44.500
104	5.200	17.060	159.270	159.321	1.754	8.160	1.101	43.600
105	5.250	17.224	93.980	94.024	2.146	7.040	2.282	46.000
106	5.300	17.388	49.770	49.795	1.793	4.030	3.601	56.900
107	5.350	17.552	34.010	34.026	1.712	2.500	5.032	51.100
108	5.400	17.716	43.240	43.249	1.753	1.510	4.053	57.600
109	5.450	17.880	53.810	53.852	1.645	6.680	3.055	49.900
110	5.500	18.044	43.980	44.008	2.034	4.470	4.622	61.900
111	5.550	18.208	77.280	77.282	1.890	0.300	2.446	63.700
112	5.600	18.372	21.110	21.105	2.041	-0.750	9.671	68.600
113	5.650	18.537	8.350	8.381	1.203	4.960	14.354	80.600
114	5.700	18.701	11.280	11.289	0.573	1.510	5.076	77.500
115	5.750	18.865	7.890	7.908	0.220	2.860	2.782	84.000
116	5.800	19.029	9.240	9.266	0.241	4.160	2.601	101.700
117	5.850	19.193	13.180	13.179	0.324	-0.100	2.458	85.600
118	5.900	19.357	18.020	18.014	0.488	-0.990	2.709	77.500
119	5.950	19.521	21.510	21.497	0.708	-2.070	3.293	84.900
120	6.000	19.685	24.220	24.208	0.889	-1.870	3.672	78.900
121	6.050	19.849	25.350	25.367	0.942	2.680	3.714	91.800
122	6.100	20.013	26.500	26.533	0.953	5.310	3.592	86.300
123	6.150	20.177	26.840	26.882	1.002	6.700	3.727	85.800
124	6.200	20.341	27.320	27.359	1.055	6.320	3.856	78.100
125	6.250	20.505	30.470	30.519	1.027	7.810	3.365	79.700
126	6.300	20.669	31.510	31.554	1.073	6.970	3.401	80.200
127	6.350	20.833	26.510	26.535	1.031	3.970	3.885	87.300
128	6.400	20.997	24.770	24.814	0.941	7.040	3.792	95.000
129	6.450	21.161	23.830	23.880	0.849	8.070	3.555	93.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	23.650	23.700	0.870	8.000	3.671	87.000
131	6.550	21.489	27.400	27.467	1.006	10.680	3.663	84.100
132	6.600	21.653	32.190	32.239	1.077	7.860	3.341	88.700
133	6.650	21.817	30.450	30.496	1.070	7.330	3.509	90.600
134	6.700	21.981	32.870	32.956	0.832	13.780	2.525	93.700
135	6.750	22.145	42.460	42.559	0.607	15.820	1.426	85.100
136	6.800	22.309	47.050	47.100	0.521	7.970	1.106	88.000
137	6.850	22.473	47.140	47.181	0.467	6.560	0.990	84.200
138	6.900	22.638	42.640	42.653	0.558	2.110	1.308	84.900
139	6.950	22.802	36.620	36.628	0.722	1.320	1.971	85.000
140	7.000	22.966	30.200	30.206	0.833	0.990	2.758	0.000
141	7.050	23.130	29.100	29.112	0.850	1.870	2.920	0.000
142	7.100	23.294	29.060	29.079	0.907	3.110	3.119	0.000
143	7.150	23.458	32.780	32.804	0.921	3.820	2.808	0.000
144	7.200	23.622	34.770	34.796	0.912	4.100	2.621	0.000
145	7.250	23.786	36.660	36.683	1.000	3.730	2.726	0.000
146	7.300	23.950	27.760	27.778	0.968	2.850	3.485	0.000
147	7.350	24.114	28.540	28.572	0.779	5.090	2.726	0.000
148	7.400	24.278	40.480	40.563	0.566	13.290	1.395	0.000
149	7.450	24.442	39.370	39.430	0.628	9.590	1.593	0.000
150	7.500	24.606	31.010	31.057	0.783	7.590	2.521	0.000
151	7.550	24.770	29.730	29.770	0.854	6.430	2.869	0.000
152	7.600	24.934	30.860	30.900	0.918	6.440	2.971	0.000
153	7.650	25.098	29.670	29.719	1.078	7.800	3.627	0.000
154	7.700	25.262	25.950	26.001	0.000	8.110	0.000	0.000
155	7.750	25.426	468.560	468.689	0.000	20.610	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221656
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-16-7
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-23-2013
CPT Time:	09:21
CPT File:	13-53075_GP16-7.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722354.472
Northing / Lat:	4294334.149
Elevation:	146.128
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	3.060	3.061	0.001	0.150	0.033	34.800
2	0.100	0.328	11.150	11.152	0.026	0.320	0.233	35.300
3	0.150	0.492	12.810	12.815	0.061	0.730	0.476	54.200
4	0.200	0.656	17.840	17.844	0.057	0.630	0.319	67.600
5	0.250	0.820	32.130	32.134	0.125	0.690	0.389	83.300
6	0.300	0.984	43.280	43.287	0.246	1.110	0.568	83.900
7	0.350	1.148	14.820	14.829	0.355	1.430	2.394	90.000
8	0.400	1.312	15.340	15.345	0.397	0.850	2.587	77.500
9	0.450	1.476	17.840	17.837	0.326	-0.500	1.828	87.600
10	0.500	1.640	26.740	26.737	0.445	-0.520	1.664	92.100
11	0.550	1.804	34.200	34.198	0.460	-0.350	1.345	92.800
12	0.600	1.968	25.930	25.935	0.482	0.770	1.859	99.100
13	0.650	2.133	21.110	21.114	0.405	0.590	1.918	95.500
14	0.700	2.297	18.250	18.254	0.293	0.650	1.605	105.800
15	0.750	2.461	20.990	20.993	0.265	0.440	1.262	100.900
16	0.800	2.625	28.750	28.753	0.354	0.530	1.231	106.900
17	0.850	2.789	39.890	39.896	0.577	0.920	1.446	99.700
18	0.900	2.953	44.690	44.696	0.772	0.920	1.727	99.000
19	0.950	3.117	44.850	44.854	0.925	0.630	2.062	90.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	42.800	42.802	1.088	0.390	2.542	90.900
21	1.050	3.445	36.750	36.753	1.099	0.540	2.990	98.500
22	1.100	3.609	28.340	28.342	1.044	0.300	3.684	92.800
23	1.150	3.773	27.320	27.323	0.913	0.410	3.342	89.000
24	1.200	3.937	25.420	25.421	0.719	0.220	2.828	82.200
25	1.250	4.101	23.210	23.208	0.647	-0.250	2.788	92.900
26	1.300	4.265	20.460	20.457	0.579	-0.510	2.830	86.200
27	1.350	4.429	20.590	20.585	0.450	-0.850	2.186	69.800
28	1.400	4.593	23.380	23.375	0.355	-0.880	1.519	51.300
29	1.450	4.757	35.230	35.226	0.505	-0.650	1.434	50.800
30	1.500	4.921	27.870	27.868	0.439	-0.340	1.575	32.900
31	1.550	5.085	16.980	16.981	0.399	0.150	2.350	32.100
32	1.600	5.249	4.920	4.919	0.275	-0.090	5.590	29.100
33	1.650	5.413	3.290	3.289	0.229	-0.240	6.964	35.200
34	1.700	5.577	21.420	21.427	0.234	1.080	1.092	44.900
35	1.750	5.741	23.760	23.765	0.268	0.850	1.128	30.100
36	1.800	5.905	13.790	13.792	0.159	0.390	1.153	37.700
37	1.850	6.069	8.410	8.414	0.083	0.720	0.986	43.800
38	1.900	6.234	14.200	14.206	0.170	1.000	1.197	28.000
39	1.950	6.398	16.930	16.940	0.214	1.680	1.263	35.800
40	2.000	6.562	22.900	22.911	0.719	1.800	3.138	27.000
41	2.050	6.726	51.310	51.315	0.898	0.850	1.750	31.400
42	2.100	6.890	22.220	22.226	0.734	0.920	3.302	30.700
43	2.150	7.054	12.790	12.832	0.409	6.790	3.187	29.700
44	2.200	7.218	13.620	13.630	0.317	1.630	2.326	32.000
45	2.250	7.382	10.620	10.632	0.288	1.990	2.709	41.600
46	2.300	7.546	10.790	10.798	0.231	1.310	2.139	63.500
47	2.350	7.710	11.180	11.184	0.233	0.690	2.083	68.200
48	2.400	7.874	16.190	16.202	0.337	1.900	2.080	75.400
49	2.450	8.038	27.250	27.281	0.517	5.040	1.895	85.700
50	2.500	8.202	27.670	27.685	0.533	2.480	1.925	81.900
51	2.550	8.366	23.400	23.397	0.469	-0.470	2.005	86.100
52	2.600	8.530	20.370	20.345	0.393	-4.080	1.932	83.100
53	2.650	8.694	17.410	17.381	0.337	-4.670	1.939	88.800
54	2.700	8.858	15.220	15.186	0.381	-5.380	2.509	77.000
55	2.750	9.022	17.280	17.239	0.398	-6.550	2.309	74.800
56	2.800	9.186	18.500	18.456	0.434	-7.090	2.352	63.200
57	2.850	9.350	20.490	20.443	0.432	-7.450	2.113	55.600
58	2.900	9.514	47.740	47.699	0.333	-6.490	0.698	49.700
59	2.950	9.678	41.060	41.060	0.400	-0.020	0.974	48.200
60	3.000	9.842	27.830	27.825	0.505	-0.750	1.815	40.200
61	3.050	10.006	13.330	13.326	0.387	-0.630	2.904	32.300
62	3.100	10.170	7.600	7.609	0.393	1.440	5.165	36.700
63	3.150	10.335	12.130	12.141	0.260	1.840	2.141	35.900
64	3.200	10.499	5.950	5.956	0.230	1.040	3.861	44.700
65	3.250	10.663	8.380	8.377	0.150	-0.470	1.791	41.400
66	3.300	10.827	21.240	21.244	0.098	0.720	0.461	37.200
67	3.350	10.991	16.770	16.777	0.131	1.070	0.781	45.600
68	3.400	11.155	10.160	10.166	0.252	0.920	2.479	46.600
69	3.450	11.319	76.690	76.696	1.200	0.980	1.565	61.800
70	3.500	11.483	76.360	76.356	0.424	-0.640	0.555	42.200
71	3.550	11.647	55.820	55.840	1.410	3.140	2.525	36.100
72	3.600	11.811	12.560	12.614	1.685	8.720	13.358	20.600
73	3.650	11.975	57.940	57.992	1.876	8.350	3.235	24.200
74	3.700	12.139	94.590	94.643	1.745	8.440	1.844	21.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	77.720	77.756	1.796	5.800	2.310	13.200
76	3.800	12.467	47.260	47.288	1.567	4.550	3.314	25.200
77	3.850	12.631	61.690	61.722	1.165	5.120	1.887	22.500
78	3.900	12.795	55.820	55.856	1.621	5.690	2.902	31.700
79	3.950	12.959	47.080	47.104	1.272	3.910	2.700	27.400
80	4.000	13.123	78.030	78.054	1.621	3.770	2.077	49.200
81	4.050	13.287	37.410	37.443	1.232	5.250	3.290	37.900
82	4.100	13.451	43.930	43.961	1.257	4.930	2.859	28.900
83	4.150	13.615	69.720	69.751	0.935	4.940	1.340	51.200
84	4.200	13.779	61.790	61.819	0.941	4.630	1.522	41.300
85	4.250	13.943	43.750	43.775	0.691	4.010	1.579	48.100
86	4.300	14.107	23.360	23.377	0.684	2.740	2.926	56.400
87	4.350	14.271	9.680	9.694	0.613	2.250	6.323	54.700
88	4.400	14.436	8.350	8.361	0.459	1.840	5.489	60.000
89	4.450	14.600	5.700	5.712	0.251	1.990	4.394	51.300
90	4.500	14.764	9.670	9.688	0.252	2.910	2.601	57.400
91	4.550	14.928	10.370	10.399	0.819	4.570	7.876	49.100
92	4.600	15.092	24.120	24.136	1.160	2.630	4.806	47.800
93	4.650	15.256	64.330	64.347	1.537	2.770	2.389	53.800
94	4.700	15.420	34.450	34.461	1.462	1.750	4.242	53.400
95	4.750	15.584	19.000	19.009	0.958	1.490	5.040	44.000
96	4.800	15.748	13.430	13.442	0.491	1.900	3.653	59.100
97	4.850	15.912	11.100	11.109	0.324	1.400	2.917	71.800
98	4.900	16.076	7.320	7.352	0.223	5.150	3.033	69.500
99	4.950	16.240	7.810	7.865	0.109	8.860	1.386	87.700
100	5.000	16.404	8.020	8.079	0.112	9.410	1.386	78.500
101	5.050	16.568	8.030	8.091	0.116	9.840	1.434	93.500
102	5.100	16.732	8.150	8.220	0.174	11.280	2.117	87.800
103	5.150	16.896	15.630	15.675	0.236	7.180	1.506	86.900
104	5.200	17.060	17.280	17.324	0.322	7.050	1.859	95.300
105	5.250	17.224	17.710	17.757	0.393	7.480	2.213	80.800
106	5.300	17.388	19.630	19.686	0.409	8.900	2.078	88.600
107	5.350	17.552	19.910	19.992	0.369	13.180	1.846	84.500
108	5.400	17.716	20.080	20.175	0.367	15.150	1.819	97.800
109	5.450	17.880	19.890	19.994	0.413	16.730	2.066	88.500
110	5.500	18.044	18.800	18.909	0.454	17.480	2.401	80.200
111	5.550	18.208	17.910	18.023	0.521	18.160	2.891	93.400
112	5.600	18.372	17.290	17.407	0.537	18.740	3.085	81.700
113	5.650	18.537	17.440	17.588	0.551	23.780	3.133	84.000
114	5.700	18.701	16.450	16.600	0.540	24.010	3.253	99.600
115	5.750	18.865	15.870	16.019	0.546	23.800	3.409	95.000
116	5.800	19.029	15.620	15.769	0.544	23.850	3.450	70.700
117	5.850	19.193	15.680	15.827	0.594	23.580	3.753	83.000
118	5.900	19.357	17.440	17.593	0.661	24.560	3.757	76.900
119	5.950	19.521	18.830	18.986	0.755	24.980	3.977	77.900
120	6.000	19.685	19.290	19.437	0.805	23.500	4.142	77.100
121	6.050	19.849	19.480	19.630	0.867	23.950	4.417	88.400
122	6.100	20.013	20.120	20.269	0.881	23.940	4.346	83.200
123	6.150	20.177	20.080	20.231	0.932	24.220	4.607	74.400
124	6.200	20.341	20.270	20.417	0.909	23.590	4.452	96.400
125	6.250	20.505	20.500	20.652	0.767	24.360	3.714	82.300
126	6.300	20.669	19.390	19.550	0.733	25.690	3.749	87.900
127	6.350	20.833	19.140	19.287	0.655	23.600	3.396	98.600
128	6.400	20.997	17.680	17.830	0.635	24.080	3.561	82.200
129	6.450	21.161	19.040	19.201	0.660	25.760	3.437	94.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	22.570	22.733	0.735	26.130	3.233	81.700
131	6.550	21.489	24.220	24.365	0.714	23.220	2.930	76.900
132	6.600	21.653	21.910	22.043	0.592	21.350	2.686	84.600
133	6.650	21.817	26.600	26.749	0.549	23.850	2.052	88.700
134	6.700	21.981	25.320	25.416	0.559	15.350	2.199	86.500
135	6.750	22.145	26.140	26.233	0.588	14.930	2.241	77.900
136	6.800	22.309	26.710	26.792	0.531	13.120	1.982	80.500
137	6.850	22.473	27.350	27.422	0.543	11.590	1.980	82.200
138	6.900	22.638	25.920	25.982	0.550	9.970	2.117	77.300
139	6.950	22.802	23.820	23.878	0.525	9.290	2.199	83.700
140	7.000	22.966	22.290	22.343	0.465	8.550	2.081	85.500
141	7.050	23.130	22.930	22.981	0.379	8.150	1.649	75.000
142	7.100	23.294	22.800	22.848	0.292	7.660	1.278	80.600
143	7.150	23.458	20.800	20.844	0.281	7.090	1.348	81.400
144	7.200	23.622	19.380	19.422	0.267	6.730	1.375	80.700
145	7.250	23.786	18.010	18.051	0.253	6.510	1.402	87.900
146	7.300	23.950	17.660	17.700	0.208	6.400	1.175	67.600
147	7.350	24.114	16.560	16.599	0.203	6.260	1.223	84.200
148	7.400	24.278	14.040	14.080	0.203	6.480	1.442	86.500
149	7.450	24.442	13.640	13.683	0.170	6.900	1.242	75.300
150	7.500	24.606	13.910	13.954	0.162	7.030	1.161	74.500
151	7.550	24.770	11.660	11.705	0.180	7.130	1.538	71.500
152	7.600	24.934	8.980	9.028	0.219	7.730	2.426	73.500
153	7.650	25.098	10.680	10.781	0.281	16.130	2.607	72.000
154	7.700	25.262	9.640	9.734	0.290	15.100	2.979	79.400
155	7.750	25.426	10.760	10.852	0.300	14.740	2.764	89.500
156	7.800	25.590	10.790	10.879	0.265	14.290	2.436	87.000
157	7.850	25.754	12.460	12.549	0.185	14.220	1.474	78.700
158	7.900	25.918	14.610	14.697	0.237	13.970	1.613	74.800
159	7.950	26.082	12.720	12.807	0.229	13.930	1.788	80.500
160	8.000	26.246	10.530	10.621	0.242	14.530	2.279	83.000
161	8.050	26.410	9.710	9.813	0.225	16.450	2.293	80.600
162	8.100	26.574	10.880	10.992	0.272	17.930	2.475	82.400
163	8.150	26.739	11.250	11.367	0.318	18.790	2.797	73.600
164	8.200	26.903	10.370	10.477	0.308	17.210	2.940	83.500
165	8.250	27.067	8.400	8.511	0.279	17.750	3.278	81.100
166	8.300	27.231	8.740	8.848	0.239	17.300	2.701	83.700
167	8.350	27.395	14.990	15.098	0.203	17.230	1.345	83.900
168	8.400	27.559	23.980	24.069	0.195	14.310	0.810	0.000
169	8.450	27.723	24.960	25.031	0.208	11.380	0.831	0.000
170	8.500	27.887	26.520	26.581	0.218	9.840	0.820	0.000
171	8.550	28.051	26.660	26.716	0.262	8.960	0.981	0.000
172	8.600	28.215	23.940	23.990	0.334	8.050	1.392	0.000
173	8.650	28.379	28.770	28.824	0.362	8.630	1.256	0.000
174	8.700	28.543	29.450	29.495	0.352	7.210	1.193	0.000
175	8.750	28.707	31.800	31.841	0.337	6.590	1.058	0.000
176	8.800	28.871	29.080	29.119	0.502	6.320	1.724	0.000
177	8.850	29.035	29.410	29.451	0.610	6.490	2.071	0.000
178	8.900	29.199	39.430	39.473	0.854	6.960	2.163	0.000
179	8.950	29.363	37.660	37.694	0.851	5.380	2.258	0.000
180	9.000	29.527	128.870	128.912	0.877	6.680	0.680	0.000
181	9.050	29.691	288.150	288.190	0.870	6.420	0.302	0.000
182	9.100	29.855	375.870	375.911	0.000	6.540	0.000	0.000
183	9.150	30.019	414.270	414.311	0.000	6.560	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221657
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-16-8
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-23-2013
CPT Time:	08:48
CPT File:	13-53075_GP16-8.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722364.450
Northing / Lat:	4294322.164
Elevation:	146.770
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
1	0.050	0.164	2.360	2.363	0.009	0.410	0.381	25.200
2	0.100	0.328	9.330	9.338	0.005	1.350	0.054	36.100
3	0.150	0.492	12.750	12.748	0.052	-0.260	0.408	45.300
4	0.200	0.656	14.580	14.589	0.081	1.520	0.555	50.000
5	0.250	0.820	22.390	22.399	0.058	1.510	0.259	58.300
6	0.300	0.984	52.790	52.818	0.106	4.460	0.201	64.100
7	0.350	1.148	57.970	58.028	0.245	9.370	0.422	83.300
8	0.400	1.312	26.200	26.215	0.463	2.350	1.766	82.400
9	0.450	1.476	29.970	29.982	0.738	2.000	2.461	95.700
10	0.500	1.640	37.740	37.749	0.813	1.460	2.154	101.200
11	0.550	1.804	50.270	50.290	0.818	3.260	1.627	102.600
12	0.600	1.968	70.000	70.038	0.948	6.090	1.354	89.800
13	0.650	2.133	74.420	74.456	1.125	5.760	1.511	93.900
14	0.700	2.297	73.220	73.234	1.283	2.170	1.752	93.600
15	0.750	2.461	74.480	74.484	1.395	0.710	1.873	95.900
16	0.800	2.625	70.110	70.113	1.230	0.490	1.754	105.700
17	0.850	2.789	55.010	55.010	1.286	-0.060	2.338	92.300
18	0.900	2.953	40.270	40.269	1.050	-0.240	2.607	85.100
19	0.950	3.117	29.870	29.863	0.883	-1.110	2.957	85.700

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
20	1.000	3.281	25.590	25.592	0.726	0.340	2.837	95.600
21	1.050	3.445	22.900	22.899	0.607	-0.140	2.651	85.200
22	1.100	3.609	20.020	20.020	0.507	0.080	2.532	93.600
23	1.150	3.773	18.090	18.091	0.361	0.180	1.995	85.300
24	1.200	3.937	16.100	16.096	0.307	-0.570	1.907	84.200
25	1.250	4.101	19.080	19.081	0.361	0.100	1.892	83.100
26	1.300	4.265	30.610	30.614	0.461	0.690	1.506	88.200
27	1.350	4.429	23.030	23.047	0.423	2.750	1.835	83.200
28	1.400	4.593	15.630	15.635	0.498	0.860	3.185	85.400
29	1.450	4.757	11.860	11.857	0.353	-0.500	2.977	82.900
30	1.500	4.921	8.330	8.336	0.278	0.900	3.335	80.000
31	1.550	5.085	11.370	11.374	0.217	0.720	1.908	70.300
32	1.600	5.249	12.700	12.695	0.208	-0.760	1.638	53.200
33	1.650	5.413	9.190	9.208	0.336	2.950	3.649	58.400
34	1.700	5.577	16.520	16.526	0.409	1.000	2.475	50.400
35	1.750	5.741	10.170	10.187	0.503	2.690	4.938	52.900
36	1.800	5.905	11.270	11.277	0.549	1.130	4.868	51.200
37	1.850	6.069	20.540	20.542	0.287	0.360	1.397	43.900
38	1.900	6.234	21.610	21.628	0.355	2.930	1.641	44.900
39	1.950	6.398	32.430	32.440	0.344	1.680	1.060	30.700
40	2.000	6.562	14.680	14.698	0.430	2.870	2.926	34.000
41	2.050	6.726	19.490	19.503	0.407	2.080	2.087	44.600
42	2.100	6.890	24.560	24.561	0.174	0.210	0.708	33.900
43	2.150	7.054	39.810	39.827	0.142	2.650	0.357	39.700
44	2.200	7.218	35.020	35.016	0.321	-0.710	0.917	52.400
45	2.250	7.382	25.040	25.041	0.380	0.240	1.517	55.200
46	2.300	7.546	7.890	7.911	0.396	3.310	5.006	49.100
47	2.350	7.710	10.330	10.384	0.296	8.650	2.851	40.000
48	2.400	7.874	11.270	11.312	0.297	6.770	2.625	49.300
49	2.450	8.038	35.250	35.272	0.436	3.570	1.236	52.700
50	2.500	8.202	27.530	27.563	0.534	5.330	1.937	69.100
51	2.550	8.366	11.820	11.854	0.531	5.520	4.479	57.500
52	2.600	8.530	11.070	11.066	0.319	-0.640	2.883	80.100
53	2.650	8.694	11.230	11.239	0.321	1.500	2.856	76.500
54	2.700	8.858	16.680	16.704	0.326	3.900	1.952	73.500
55	2.750	9.022	13.400	13.356	0.366	-7.070	2.740	92.100
56	2.800	9.186	12.550	12.505	0.427	-7.170	3.415	75.300
57	2.850	9.350	11.400	11.355	0.354	-7.280	3.118	58.900
58	2.900	9.514	12.940	12.883	0.323	-9.060	2.507	41.900
59	2.950	9.678	13.170	13.150	0.363	-3.230	2.760	30.100
60	3.000	9.842	21.080	21.072	0.350	-1.220	1.661	33.200
61	3.050	10.006	29.470	29.484	0.512	2.220	1.737	24.700
62	3.100	10.170	53.490	53.500	1.087	1.670	2.032	24.400
63	3.150	10.335	51.190	51.200	1.070	1.570	2.090	21.400
64	3.200	10.499	24.400	24.386	0.830	-2.190	3.404	19.000
65	3.250	10.663	28.290	28.294	0.629	0.690	2.223	17.000
66	3.300	10.827	39.550	39.629	0.553	12.710	1.395	13.400
67	3.350	10.991	17.060	17.148	0.546	14.100	3.184	20.100
68	3.400	11.155	27.070	27.089	0.592	3.090	2.185	11.200
69	3.450	11.319	34.510	34.530	0.514	3.160	1.489	14.700
70	3.500	11.483	17.210	17.202	0.625	-1.270	3.633	13.400
71	3.550	11.647	13.570	13.584	0.608	2.200	4.476	12.900
72	3.600	11.811	23.430	23.452	1.559	3.450	6.648	12.300
73	3.650	11.975	87.610	87.615	1.415	0.820	1.615	11.800
74	3.700	12.139	78.730	78.732	0.884	0.260	1.123	13.100

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
75	3.750	12.303	33.160	33.157	0.762	-0.450	2.298	12.100
76	3.800	12.467	31.830	31.836	0.981	0.910	3.081	14.400
77	3.850	12.631	63.680	63.693	0.474	2.120	0.744	14.600
78	3.900	12.795	26.550	26.550	0.591	-0.030	2.226	19.200
79	3.950	12.959	19.410	19.456	0.980	7.290	5.037	13.800
80	4.000	13.123	15.870	15.868	0.827	-0.370	5.212	18.900
81	4.050	13.287	31.680	31.735	0.190	8.790	0.599	23.800
82	4.100	13.451	34.310	34.318	0.372	1.320	1.084	30.500
83	4.150	13.615	63.530	63.604	0.437	11.810	0.687	34.000
84	4.200	13.779	40.800	40.851	0.628	8.140	1.537	44.300
85	4.250	13.943	17.290	17.327	0.568	5.990	3.278	65.200
86	4.300	14.107	14.110	14.269	0.317	25.400	2.222	81.200
87	4.350	14.271	13.400	13.495	0.261	15.140	1.934	76.600
88	4.400	14.436	16.800	17.082	0.261	45.120	1.528	88.100
89	4.450	14.600	19.880	20.064	0.298	29.550	1.485	106.200
90	4.500	14.764	19.380	19.481	0.337	16.130	1.730	99.900
91	4.550	14.928	17.480	17.646	0.333	26.560	1.887	100.400
92	4.600	15.092	15.650	15.955	0.315	48.790	1.974	95.300
93	4.650	15.256	16.140	16.455	0.331	50.410	2.012	105.400
94	4.700	15.420	15.860	16.011	0.341	24.230	2.130	88.300
95	4.750	15.584	15.420	15.514	0.295	14.990	1.902	101.500
96	4.800	15.748	14.220	14.382	0.261	26.000	1.815	97.700
97	4.850	15.912	13.810	14.021	0.245	33.790	1.747	102.300
98	4.900	16.076	13.110	13.303	0.258	30.980	1.939	95.100
99	4.950	16.240	12.940	13.119	0.279	28.640	2.127	100.300
100	5.000	16.404	12.320	12.487	0.260	26.710	2.082	98.500
101	5.050	16.568	12.930	13.148	0.256	34.950	1.947	100.000
102	5.100	16.732	12.260	12.442	0.242	29.160	1.945	95.800
103	5.150	16.896	11.680	11.844	0.211	26.220	1.782	91.800
104	5.200	17.060	10.990	11.245	0.207	40.800	1.841	94.700
105	5.250	17.224	10.110	10.242	0.179	21.080	1.748	91.900
106	5.300	17.388	9.530	9.650	0.186	19.260	1.927	83.600
107	5.350	17.552	9.510	9.649	0.174	22.200	1.803	89.400
108	5.400	17.716	8.970	9.110	0.163	22.370	1.789	72.800
109	5.450	17.880	8.460	8.657	0.176	31.510	2.033	93.000
110	5.500	18.044	8.720	8.926	0.159	33.030	1.781	87.700
111	5.550	18.208	7.830	7.971	0.153	22.610	1.919	106.600
112	5.600	18.372	8.340	8.382	0.174	6.670	2.076	98.200
113	5.650	18.537	9.510	9.520	0.219	1.570	2.300	94.500
114	5.700	18.701	9.380	9.397	0.266	2.790	2.831	86.500
115	5.750	18.865	9.110	9.111	0.352	0.160	3.863	87.700
116	5.800	19.029	10.370	10.409	0.383	6.180	3.680	98.600
117	5.850	19.193	10.990	11.098	0.379	17.300	3.415	89.700
118	5.900	19.357	10.660	10.660	0.376	0.050	3.527	83.400
119	5.950	19.521	10.970	10.945	0.399	-3.940	3.645	96.600
120	6.000	19.685	12.820	12.782	0.389	-6.040	3.043	99.900
121	6.050	19.849	16.580	16.556	0.422	-3.920	2.549	88.400
122	6.100	20.013	18.210	18.208	0.468	-0.380	2.570	89.200
123	6.150	20.177	18.920	18.937	0.523	2.790	2.762	95.200
124	6.200	20.341	20.290	20.330	0.552	6.460	2.715	95.300
125	6.250	20.505	19.570	19.554	0.547	-2.550	2.797	101.200
126	6.300	20.669	16.780	16.762	0.535	-2.810	3.192	110.800
127	6.350	20.833	16.670	16.670	0.446	0.000	2.675	95.600
128	6.400	20.997	17.630	17.619	0.451	-1.760	2.560	99.100
129	6.450	21.161	19.570	19.544	0.528	-4.190	2.702	90.000

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
130	6.500	21.325	21.900	21.869	0.584	-4.900	2.670	100.700
131	6.550	21.489	21.800	21.779	0.514	-3.390	2.360	93.300
132	6.600	21.653	24.270	24.270	0.447	0.080	1.842	85.200
133	6.650	21.817	23.860	23.864	0.472	0.570	1.978	88.400
134	6.700	21.981	19.280	19.265	0.461	-2.370	2.393	93.000
135	6.750	22.145	15.020	15.057	0.447	5.970	2.969	84.800
136	6.800	22.309	14.990	15.107	0.387	18.780	2.562	85.500
137	6.850	22.473	14.290	14.444	0.385	24.640	2.665	87.500
138	6.900	22.638	14.860	15.043	0.419	29.330	2.785	76.600
139	6.950	22.802	16.500	16.733	0.519	37.280	3.102	86.400
140	7.000	22.966	25.850	26.014	0.419	26.320	1.611	85.900
141	7.050	23.130	45.670	45.761	0.453	14.540	0.990	86.800
142	7.100	23.294	57.110	57.126	0.575	2.630	1.007	95.200
143	7.150	23.458	69.780	69.800	0.780	3.220	1.117	84.900
144	7.200	23.622	71.450	71.472	0.966	3.560	1.352	83.800
145	7.250	23.786	78.430	78.454	1.084	3.860	1.382	75.200
146	7.300	23.950	106.600	106.651	1.153	8.140	1.081	80.600
147	7.350	24.114	111.020	111.038	1.205	2.820	1.085	68.900
148	7.400	24.278	109.720	109.726	1.170	1.030	1.066	72.900
149	7.450	24.442	99.490	99.496	1.174	1.030	1.180	0.000
150	7.500	24.606	88.320	88.319	1.116	-0.210	1.264	0.000
151	7.550	24.770	80.830	80.829	0.953	-0.150	1.179	0.000
152	7.600	24.934	77.970	77.971	0.969	0.180	1.243	0.000
153	7.650	25.098	80.340	80.345	0.968	0.880	1.205	0.000
154	7.700	25.262	81.480	81.485	0.971	0.860	1.192	0.000
155	7.750	25.426	77.610	77.609	0.966	-0.230	1.245	0.000
156	7.800	25.590	79.020	79.019	0.895	-0.140	1.133	0.000
157	7.850	25.754	86.570	86.575	0.906	0.820	1.046	0.000
158	7.900	25.918	90.530	90.531	0.913	0.210	1.008	0.000
159	7.950	26.082	88.070	88.070	0.884	0.030	1.004	0.000
160	8.000	26.246	89.140	89.139	0.934	-0.140	1.048	0.000
161	8.050	26.410	99.030	99.040	1.082	1.620	1.092	0.000
162	8.100	26.574	114.800	114.809	2.010	1.420	1.751	0.000
163	8.150	26.739	158.920	158.947	0.000	4.310	0.000	0.000
164	8.200	26.903	572.650	572.686	0.000	5.740	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221489
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-1C-1A
Cone ID:	226:T1500F15U500
Operator:	DC/YB
CPT Date:	Jan-30-2014
CPT Time:	16:43
CPT File:	13-53075_GP1C-1A.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722013.290
Northing / Lat:	4294219.000
Elevation:	141.190
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
1	0.050	0.164	5.050	5.051	0.005	0.150	0.099	34.700
2	0.100	0.328	22.090	22.095	0.004	0.860	0.018	34.300
3	0.150	0.492	18.720	18.724	0.001	0.690	0.005	33.600
4	0.200	0.656	17.440	17.437	0.004	-0.450	0.023	31.000
5	0.250	0.820	18.640	18.641	0.000	0.120	0.000	30.300
6	0.300	0.984	31.430	31.435	0.002	0.790	0.006	32.300
7	0.350	1.148	42.810	42.811	0.002	0.130	0.005	39.800
8	0.400	1.312	32.780	32.775	0.000	-0.810	0.000	37.900
9	0.450	1.476	22.650	22.652	0.001	0.360	0.004	42.200
10	0.500	1.640	29.530	29.531	0.000	0.240	0.000	49.600
11	0.550	1.804	31.390	31.393	0.001	0.510	0.003	70.400
12	0.600	1.968	22.230	22.233	0.002	0.560	0.009	64.900
13	0.650	2.133	20.180	20.187	0.001	1.150	0.005	76.000
14	0.700	2.297	17.610	17.613	0.115	0.540	0.653	79.300
15	0.750	2.461	25.860	25.887	0.364	4.370	1.406	83.900
16	0.800	2.625	40.150	40.109	0.625	-6.490	1.558	82.700
17	0.850	2.789	42.030	41.933	0.742	-15.560	1.769	92.000
18	0.900	2.953	42.700	42.668	0.983	-5.140	2.304	94.600
19	0.950	3.117	36.560	36.560	1.021	-0.040	2.793	99.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	39.410	39.409	0.993	-0.090	2.520	82.800
21	1.050	3.445	39.030	39.027	1.013	-0.530	2.596	85.900
22	1.100	3.609	34.100	34.036	0.976	-10.190	2.868	68.500
23	1.150	3.773	25.530	25.459	0.908	-11.360	3.567	69.900
24	1.200	3.937	19.280	19.210	0.527	-11.230	2.743	58.900
25	1.250	4.101	26.840	26.764	0.340	-12.150	1.270	55.100
26	1.300	4.265	53.920	53.925	0.266	0.730	0.493	52.600
27	1.350	4.429	95.400	95.413	0.782	2.050	0.820	43.800
28	1.400	4.593	70.410	70.505	0.815	15.270	1.156	36.700
29	1.450	4.757	26.590	26.578	0.915	-1.980	3.443	35.100
30	1.500	4.921	28.380	28.382	0.682	0.370	2.403	21.100
31	1.550	5.085	17.230	17.226	0.609	-0.690	3.535	30.900
32	1.600	5.249	12.920	12.874	0.634	-7.310	4.925	26.200
33	1.650	5.413	14.400	14.401	0.460	0.140	3.194	24.400
34	1.700	5.577	13.500	13.499	0.816	-0.110	6.045	20.800
35	1.750	5.741	35.840	35.850	0.773	1.660	2.156	22.100
36	1.800	5.905	32.540	32.549	0.529	1.500	1.625	19.300
37	1.850	6.069	25.000	25.011	0.636	1.770	2.543	21.600
38	1.900	6.234	32.390	32.394	0.780	0.680	2.408	22.200
39	1.950	6.398	56.160	56.194	0.921	5.450	1.639	27.800
40	2.000	6.562	33.740	33.742	0.898	0.380	2.661	36.400
41	2.050	6.726	25.580	25.584	0.953	0.630	3.725	51.100
42	2.100	6.890	22.500	22.507	0.690	1.050	3.066	56.600
43	2.150	7.054	16.500	16.500	0.595	-0.020	3.606	64.300
44	2.200	7.218	17.890	17.894	0.548	0.650	3.062	83.300
45	2.250	7.382	15.000	15.008	0.462	1.360	3.078	54.900
46	2.300	7.546	10.650	10.639	0.461	-1.710	4.333	53.700
47	2.350	7.710	9.050	9.020	0.400	-4.770	4.434	41.100
48	2.400	7.874	9.760	9.780	0.310	3.280	3.170	36.200
49	2.450	8.038	12.310	12.319	0.189	1.410	1.534	23.700
50	2.500	8.202	66.890	66.894	0.753	0.650	1.126	19.700
51	2.550	8.366	141.200	141.241	1.156	6.490	0.818	17.200
52	2.600	8.530	31.340	31.344	1.048	0.620	3.344	18.900
53	2.650	8.694	32.640	32.649	0.623	1.410	1.908	18.500
54	2.700	8.858	33.690	33.700	0.031	1.590	0.092	22.700
55	2.750	9.022	64.190	64.208	0.258	2.960	0.402	16.400
56	2.800	9.186	93.400	93.411	0.709	1.790	0.759	15.400
57	2.850	9.350	93.200	93.228	0.829	4.500	0.889	16.500
58	2.900	9.514	100.000	100.010	1.221	1.660	1.221	12.800
59	2.950	9.678	154.610	154.610	0.997	0.070	0.645	17.400
60	3.000	9.842	30.980	30.990	1.168	1.570	3.769	13.000
61	3.050	10.006	29.000	28.977	1.201	-3.720	4.145	13.800
62	3.100	10.170	16.540	16.544	0.723	0.670	4.370	19.300
63	3.150	10.335	21.950	22.008	0.595	9.370	2.704	18.900
64	3.200	10.499	34.300	34.322	0.471	3.510	1.372	23.300
65	3.250	10.663	20.770	20.779	0.341	1.420	1.641	24.800
66	3.300	10.827	9.850	9.883	0.218	5.360	2.206	20.300
67	3.350	10.991	5.290	5.287	0.216	-0.560	4.086	28.200
68	3.400	11.155	59.380	59.402	0.387	3.460	0.651	35.300
69	3.450	11.319	51.170	51.172	0.511	0.330	0.999	55.700
70	3.500	11.483	50.020	50.039	0.651	2.970	1.301	62.300
71	3.550	11.647	52.300	52.334	0.610	5.500	1.166	66.500
72	3.600	11.811	37.740	37.756	0.662	2.570	1.753	75.500
73	3.650	11.975	25.890	25.870	0.434	-3.170	1.678	49.700
74	3.700	12.139	26.500	26.486	0.323	-2.260	1.220	34.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	24.180	24.185	0.355	0.880	1.468	27.600
76	3.800	12.467	31.470	31.472	0.356	0.320	1.131	22.700
77	3.850	12.631	14.090	14.094	0.341	0.610	2.420	21.500
78	3.900	12.795	16.950	16.964	0.292	2.250	1.721	12.300
79	3.950	12.959	22.380	22.337	0.291	-6.960	1.303	17.600
80	4.000	13.123	12.880	12.891	0.267	1.700	2.071	13.900
81	4.050	13.287	42.020	42.025	0.648	0.790	1.542	13.500
82	4.100	13.451	66.300	66.289	1.091	-1.810	1.646	18.700
83	4.150	13.615	44.510	44.510	1.256	0.020	2.822	16.500
84	4.200	13.779	30.520	30.539	0.899	3.060	2.944	22.400
85	4.250	13.943	29.350	29.357	0.576	1.150	1.962	29.400
86	4.300	14.107	22.720	22.731	0.228	1.770	1.003	36.000
87	4.350	14.271	15.640	15.653	0.164	2.140	1.048	45.900
88	4.400	14.436	15.320	15.360	0.101	6.460	0.658	55.400
89	4.450	14.600	15.290	15.405	0.103	18.370	0.669	41.300
90	4.500	14.764	12.910	12.900	0.136	-1.600	1.054	45.700
91	4.550	14.928	18.890	18.898	0.157	1.230	0.831	31.400
92	4.600	15.092	21.510	21.514	0.105	0.660	0.488	31.700
93	4.650	15.256	13.900	13.912	0.101	1.850	0.726	47.000
94	4.700	15.420	16.790	16.820	0.142	4.740	0.844	38.600
95	4.750	15.584	16.100	16.087	0.156	-2.140	0.970	24.700
96	4.800	15.748	13.120	13.140	0.223	3.140	1.697	27.500
97	4.850	15.912	13.580	13.588	0.184	1.210	1.354	12.700
98	4.900	16.076	18.840	18.854	0.167	2.190	0.886	19.200
99	4.950	16.240	13.220	13.287	0.137	10.720	1.031	11.200
100	5.000	16.404	17.310	17.385	0.196	12.060	1.127	18.100
101	5.050	16.568	19.830	19.860	0.236	4.870	1.188	20.200
102	5.100	16.732	32.490	32.534	0.150	7.080	0.461	15.400
103	5.150	16.896	46.760	46.761	0.340	0.120	0.727	18.000
104	5.200	17.060	28.150	28.148	0.522	-0.390	1.855	15.400
105	5.250	17.224	28.530	28.554	0.654	3.880	2.290	18.400
106	5.300	17.388	20.070	20.086	0.558	2.550	2.778	0.000
107	5.350	17.552	11.580	11.631	0.426	8.150	3.663	0.000
108	5.400	17.716	31.160	31.170	0.221	1.630	0.709	0.000
109	5.450	17.880	108.900	108.940	0.725	6.380	0.666	0.000
110	5.500	18.044	105.620	105.632	0.989	1.920	0.936	0.000
111	5.550	18.208	68.850	68.874	1.334	3.920	1.937	0.000
112	5.600	18.372	43.210	43.214	2.074	0.680	4.799	0.000
113	5.650	18.537	56.130	56.142	1.862	1.920	3.317	0.000
114	5.700	18.701	17.220	17.217	1.457	-0.560	8.463	0.000
115	5.750	18.865	41.870	41.871	1.122	0.130	2.680	0.000
116	5.800	19.029	86.450	86.463	0.765	2.110	0.885	0.000
117	5.850	19.193	141.440	141.584	0.858	23.140	0.606	0.000
118	5.900	19.357	47.250	47.252	1.036	0.400	2.192	0.000
119	5.950	19.521	24.430	24.461	1.162	5.000	4.750	0.000
120	6.000	19.685	31.970	31.975	0.000	0.830	0.000	0.000
121	6.050	19.849	768.950	768.961	0.000	1.700	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221487
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-1C-1
Cone ID:	226:T1500F15U500
Operator:	DC/YB
CPT Date:	Jan-30-2014
CPT Time:	15:45
CPT File:	13-53075_GP1C-1.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722012.070
Northing / Lat:	4294220.520
Elevation:	141.230
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
1	0.050	0.164	2.480	2.487	0.006	1.160	0.241	35.600
2	0.100	0.328	9.590	9.603	0.003	2.110	0.031	32.400
3	0.150	0.492	19.790	19.794	0.010	0.670	0.051	40.500
4	0.200	0.656	24.650	24.652	0.001	0.370	0.004	30.800
5	0.250	0.820	37.450	37.459	0.105	1.430	0.280	35.100
6	0.300	0.984	35.000	35.022	0.044	3.530	0.126	33.000
7	0.350	1.148	31.300	31.309	0.002	1.380	0.006	32.100
8	0.400	1.312	28.370	28.375	0.081	0.860	0.285	46.300
9	0.450	1.476	46.880	46.888	0.157	1.300	0.335	47.000
10	0.500	1.640	39.610	39.610	0.082	0.040	0.207	66.300
11	0.550	1.804	27.040	27.042	0.182	0.260	0.673	76.400
12	0.600	1.968	14.350	14.386	0.262	5.780	1.821	70.800
13	0.650	2.133	19.140	19.206	0.362	10.590	1.885	67.500
14	0.700	2.297	25.000	25.053	0.462	8.520	1.844	68.300
15	0.750	2.461	28.930	28.934	0.571	0.690	1.973	82.800
16	0.800	2.625	26.590	26.549	0.594	-6.620	2.237	80.800
17	0.850	2.789	23.260	23.230	0.541	-4.840	2.329	72.500
18	0.900	2.953	19.120	19.073	0.551	-7.460	2.889	87.600
19	0.950	3.117	23.590	23.559	0.645	-4.890	2.738	63.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	18.140	18.144	0.635	0.630	3.500	60.100
21	1.050	3.445	17.810	17.809	0.540	-0.170	3.032	49.600
22	1.100	3.609	16.830	16.819	0.423	-1.720	2.515	44.200
23	1.150	3.773	14.800	14.804	0.496	0.610	3.350	29.500
24	1.200	3.937	14.320	14.338	0.360	2.880	2.511	27.400
25	1.250	4.101	36.430	36.422	0.629	-1.250	1.727	18.600
26	1.300	4.265	64.600	64.633	1.483	5.290	2.294	19.900
27	1.350	4.429	74.910	74.909	1.707	-0.220	2.279	19.700
28	1.400	4.593	100.960	100.937	1.165	-3.630	1.154	17.900
29	1.450	4.757	28.980	28.959	1.313	-3.390	4.534	13.600
30	1.500	4.921	30.200	30.219	0.325	3.100	1.075	17.800
31	1.550	5.085	76.830	76.871	0.806	6.560	1.049	17.000
32	1.600	5.249	58.080	58.082	0.954	0.390	1.642	15.200
33	1.650	5.413	24.910	24.938	0.904	4.430	3.625	15.800
34	1.700	5.577	40.460	40.559	0.480	15.830	1.183	20.200
35	1.750	5.741	49.250	49.244	0.499	-0.940	1.013	25.900
36	1.800	5.905	58.380	58.426	0.724	7.290	1.239	28.600
37	1.850	6.069	66.770	66.935	1.031	26.480	1.540	42.400
38	1.900	6.234	42.250	42.529	1.149	44.680	2.702	50.900
39	1.950	6.398	20.880	20.953	0.839	11.620	4.004	54.300
40	2.000	6.562	14.320	14.429	0.468	17.470	3.243	84.000
41	2.050	6.726	15.040	15.134	0.245	15.050	1.619	76.000
42	2.100	6.890	15.140	15.219	0.181	12.580	1.189	79.400
43	2.150	7.054	18.030	18.086	0.310	8.970	1.714	68.000
44	2.200	7.218	22.160	22.213	0.557	8.500	2.508	48.200
45	2.250	7.382	60.260	60.392	0.914	21.110	1.513	38.000
46	2.300	7.546	53.560	53.684	1.267	19.850	2.360	36.000
47	2.350	7.710	43.060	43.035	2.006	-3.940	4.661	24.500
48	2.400	7.874	57.380	57.445	1.771	10.450	3.083	19.400
49	2.450	8.038	89.120	89.030	1.015	-14.410	1.140	18.000
50	2.500	8.202	98.720	98.820	0.936	16.050	0.947	12.000
51	2.550	8.366	272.080	272.206	4.812	20.260	1.768	20.300
52	2.600	8.530	251.070	251.072	6.100	0.300	2.430	24.500
53	2.650	8.694	7.540	7.552	4.605	1.920	60.977	13.900
54	2.700	8.858	0.790	0.795	1.682	0.800	211.574	21.000
55	2.750	9.022	5.010	5.012	1.387	0.260	27.676	17.700
56	2.800	9.186	1.200	1.205	3.814	0.760	316.582	16.600
57	2.850	9.350	363.770	363.790	2.317	3.260	0.637	13.700
58	2.900	9.514	422.630	422.652	5.150	3.560	1.218	12.800
59	2.950	9.678	145.180	145.192	5.417	1.920	3.731	21.900
60	3.000	9.842	31.410	31.457	1.745	7.590	5.547	18.900
61	3.050	10.006	13.770	13.774	0.570	0.680	4.138	20.900
62	3.100	10.170	7.770	7.787	0.362	2.700	4.649	24.600
63	3.150	10.335	13.110	13.129	0.496	2.980	3.778	32.100
64	3.200	10.499	23.110	23.105	0.605	-0.840	2.619	39.000
65	3.250	10.663	22.330	22.354	0.658	3.800	2.944	60.800
66	3.300	10.827	19.370	19.389	0.592	3.120	3.053	64.100
67	3.350	10.991	35.190	35.192	0.576	0.290	1.637	74.600
68	3.400	11.155	44.720	44.690	0.708	-4.790	1.584	66.800
69	3.450	11.319	45.780	45.741	0.833	-6.180	1.821	76.700
70	3.500	11.483	33.580	33.534	0.579	-7.310	1.727	51.400
71	3.550	11.647	29.230	29.182	0.693	-7.680	2.375	41.000
72	3.600	11.811	23.350	23.406	0.661	8.910	2.824	26.300
73	3.650	11.975	14.380	14.378	0.764	-0.250	5.314	24.000
74	3.700	12.139	25.680	25.751	0.674	11.400	2.617	21.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	28.290	28.351	0.727	9.740	2.564	21.900
76	3.800	12.467	30.790	30.789	0.886	-0.180	2.878	18.000
77	3.850	12.631	28.220	28.220	1.037	0.020	3.675	22.300
78	3.900	12.795	26.000	26.008	1.125	1.240	4.326	29.300
79	3.950	12.959	43.910	44.166	1.080	41.060	2.445	21.200
80	4.000	13.123	43.860	43.897	0.992	5.960	2.260	19.200
81	4.050	13.287	41.860	41.894	0.755	5.500	1.802	20.100
82	4.100	13.451	29.000	29.053	0.956	8.500	3.291	35.100
83	4.150	13.615	33.630	33.689	0.692	9.530	2.054	50.100
84	4.200	13.779	19.790	19.881	0.715	14.550	3.596	46.600
85	4.250	13.943	32.840	32.843	0.604	0.440	1.839	51.100
86	4.300	14.107	83.060	83.075	0.701	2.390	0.844	54.600
87	4.350	14.271	77.510	77.509	0.628	-0.200	0.810	52.800
88	4.400	14.436	64.230	64.249	0.945	3.000	1.471	42.500
89	4.450	14.600	40.230	40.266	1.058	5.770	2.628	40.400
90	4.500	14.764	26.000	26.073	0.901	11.630	3.456	27.200
91	4.550	14.928	28.290	28.331	0.919	6.530	3.244	18.300
92	4.600	15.092	37.820	37.932	0.455	18.000	1.200	16.400
93	4.650	15.256	62.480	62.490	0.411	1.580	0.658	15.900
94	4.700	15.420	24.570	24.590	0.586	3.170	2.383	17.000
95	4.750	15.584	51.390	51.393	0.652	0.460	1.269	13.600
96	4.800	15.748	37.800	37.825	0.619	3.940	1.637	16.400
97	4.850	15.912	46.640	46.659	0.544	2.990	1.166	14.400
98	4.900	16.076	8.590	8.599	0.187	1.410	2.175	17.300
99	4.950	16.240	3.390	3.391	0.196	0.160	5.780	17.700
100	5.000	16.404	31.390	31.396	0.442	1.010	1.408	19.700
101	5.050	16.568	20.560	20.568	0.484	1.320	2.353	17.000
102	5.100	16.732	18.480	18.478	0.630	-0.280	3.409	22.300
103	5.150	16.896	22.960	23.034	0.402	11.920	1.745	26.000
104	5.200	17.060	10.090	10.147	0.553	9.080	5.450	31.100
105	5.250	17.224	42.690	42.754	0.846	10.300	1.979	30.700
106	5.300	17.388	52.720	52.712	1.173	-1.260	2.225	0.000
107	5.350	17.552	88.610	88.626	2.001	2.580	2.258	0.000
108	5.400	17.716	67.500	67.521	1.860	3.380	2.755	0.000
109	5.450	17.880	7.050	7.082	1.101	5.050	15.547	0.000
110	5.500	18.044	18.220	18.230	0.382	1.570	2.095	0.000
111	5.550	18.208	15.440	15.442	0.210	0.370	1.360	0.000
112	5.600	18.372	38.990	38.989	0.402	-0.130	1.031	0.000
113	5.650	18.537	35.770	35.774	0.590	0.690	1.649	0.000
114	5.700	18.701	20.830	20.824	0.642	-0.900	3.083	0.000
115	5.750	18.865	25.860	25.862	0.635	0.250	2.455	0.000
116	5.800	19.029	30.230	30.229	0.531	-0.110	1.757	0.000
117	5.850	19.193	27.510	27.495	0.287	-2.450	1.044	0.000
118	5.900	19.357	37.510	37.505	0.355	-0.790	0.947	0.000
119	5.950	19.521	51.460	51.468	0.217	1.360	0.422	0.000
120	6.000	19.685	641.120	641.120	0.000	-0.080	0.000	0.000
121	6.050	19.849	795.280	795.281	0.000	0.130	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221491
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-1C-2
Cone ID:	226:T1500F15U500
Operator:	DC/YB
CPT Date:	Jan-30-2014
CPT Time:	14:29
CPT File:	13-53075_GP1C-2.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	N/A
Col 5 (Extra Module) Units	N/A
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722032.490
Northing / Lat:	4294210.770
Elevation:	143.850
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf
	m	ft	tsf	tsf	tsf	ft	%
1	0.050	0.164	11.480	11.502	0.040	3.600	0.348
2	0.100	0.328	40.820	40.832	0.161	1.910	0.394
3	0.150	0.492	99.780	99.815	0.289	5.660	0.290
4	0.200	0.656	99.320	101.314	0.331	319.460	0.327
5	0.250	0.820	91.780	94.001	0.343	355.840	0.365
6	0.300	0.984	75.900	77.478	0.327	252.750	0.422
7	0.350	1.148	60.770	61.591	0.300	131.490	0.487
8	0.400	1.312	33.340	33.390	0.271	7.990	0.812
9	0.450	1.476	19.680	19.643	0.226	-5.950	1.151
10	0.500	1.640	11.390	11.355	0.200	-5.640	1.761
11	0.550	1.804	8.220	8.213	0.237	-1.120	2.886
12	0.600	1.968	7.960	7.933	0.274	-4.310	3.454
13	0.650	2.133	6.530	6.492	0.288	-6.020	4.436
14	0.700	2.297	7.210	7.163	0.278	-7.540	3.881
15	0.750	2.461	6.670	6.617	0.278	-8.520	4.201
16	0.800	2.625	5.880	5.820	0.277	-9.640	4.760
17	0.850	2.789	5.090	5.073	0.257	-2.690	5.066
18	0.900	2.953	4.550	4.537	0.248	-2.030	5.466
19	0.950	3.117	4.180	4.167	0.244	-2.060	5.855

Layer	Depth	Depth	qc	qt	fs	u	Rf
	m	ft	tsf	tsf	tsf	ft	%
20	1.000	3.281	5.410	5.397	0.237	-2.050	4.391
21	1.050	3.445	4.730	4.724	0.240	-0.970	5.080
22	1.100	3.609	3.460	3.452	0.226	-1.290	6.547
23	1.150	3.773	3.830	3.821	0.242	-1.510	6.334
24	1.200	3.937	3.840	3.828	0.251	-1.920	6.557
25	1.250	4.101	6.050	6.045	0.265	-0.780	4.384
26	1.300	4.265	8.980	8.985	0.356	0.760	3.962
27	1.350	4.429	11.380	11.375	0.400	-0.790	3.516
28	1.400	4.593	18.450	18.444	0.489	-0.890	2.651
29	1.450	4.757	26.120	26.114	0.419	-1.040	1.605
30	1.500	4.921	28.180	28.160	0.615	-3.250	2.184
31	1.550	5.085	34.930	34.921	0.858	-1.480	2.457
32	1.600	5.249	30.300	30.267	0.969	-5.330	3.202
33	1.650	5.413	28.610	28.563	0.940	-7.540	3.291
34	1.700	5.577	24.670	24.616	0.793	-8.650	3.221
35	1.750	5.741	20.630	20.569	0.784	-9.800	3.812
36	1.800	5.905	22.180	22.120	0.764	-9.650	3.454
37	1.850	6.069	43.150	43.106	0.804	-7.060	1.865
38	1.900	6.234	56.040	56.015	1.186	-3.980	2.117
39	1.950	6.398	50.460	50.415	1.338	-7.210	2.654
40	2.000	6.562	40.480	40.433	1.273	-7.480	3.148
41	2.050	6.726	36.010	35.963	1.228	-7.540	3.415
42	2.100	6.890	33.170	33.118	1.105	-8.400	3.337
43	2.150	7.054	30.180	30.127	1.060	-8.530	3.518
44	2.200	7.218	30.410	30.351	1.006	-9.420	3.315
45	2.250	7.382	24.930	24.873	1.047	-9.150	4.209
46	2.300	7.546	27.550	27.500	0.897	-8.040	3.262
47	2.350	7.710	27.530	27.477	0.909	-8.490	3.308
48	2.400	7.874	19.510	19.451	0.824	-9.500	4.236
49	2.450	8.038	20.460	20.400	0.730	-9.640	3.578
50	2.500	8.202	22.040	21.982	0.626	-9.220	2.848
51	2.550	8.366	18.810	18.767	0.695	-6.880	3.703
52	2.600	8.530	20.400	20.355	0.643	-7.260	3.159
53	2.650	8.694	26.140	26.097	0.687	-6.830	2.632
54	2.700	8.858	18.580	18.529	0.685	-8.210	3.697
55	2.750	9.022	14.480	14.422	0.534	-9.350	3.703
56	2.800	9.186	20.720	20.666	0.450	-8.690	2.178
57	2.850	9.350	36.560	36.510	0.484	-7.930	1.326
58	2.900	9.514	56.930	56.936	0.855	1.030	1.502
59	2.950	9.678	34.090	34.101	0.672	1.750	1.971
60	3.000	9.842	58.220	58.242	1.123	3.550	1.928
61	3.050	10.006	51.000	51.010	1.418	1.670	2.780
62	3.100	10.170	27.430	27.546	1.572	18.540	5.707
63	3.150	10.335	50.640	50.742	0.851	16.260	1.677
64	3.200	10.499	47.240	47.223	0.304	-2.730	0.644
65	3.250	10.663	47.510	47.504	0.790	-0.920	1.663
66	3.300	10.827	67.110	67.159	0.602	7.900	0.896
67	3.350	10.991	54.970	55.034	0.685	10.230	1.245
68	3.400	11.155	52.750	52.760	0.645	1.650	1.223
69	3.450	11.319	13.910	13.962	0.535	8.340	3.832
70	3.500	11.483	12.170	12.184	0.335	2.280	2.749
71	3.550	11.647	7.590	7.622	0.311	5.170	4.080
72	3.600	11.811	9.840	9.877	0.185	5.990	1.873
73	3.650	11.975	7.500	7.505	0.257	0.740	3.425
74	3.700	12.139	29.340	29.376	0.476	5.830	1.620

Layer	Depth	Depth	qc	qt	fs	u	Rf
	m	ft	tsf	tsf	tsf	ft	%
75	3.750	12.303	16.970	17.005	0.452	5.540	2.658
76	3.800	12.467	10.230	10.436	0.460	33.060	4.408
77	3.850	12.631	22.900	23.056	0.265	24.980	1.149
78	3.900	12.795	37.330	37.403	0.454	11.700	1.214
79	3.950	12.959	27.130	27.155	0.448	4.050	1.650
80	4.000	13.123	13.880	13.900	0.373	3.130	2.684
81	4.050	13.287	14.570	14.571	0.149	0.200	1.023
82	4.100	13.451	22.400	22.405	0.157	0.830	0.701
83	4.150	13.615	19.380	19.424	0.124	7.070	0.638
84	4.200	13.779	9.580	9.572	0.095	-1.270	0.992
85	4.250	13.943	9.240	9.245	0.005	0.790	0.054
86	4.300	14.107	9.190	9.207	0.028	2.680	0.304
87	4.350	14.271	6.520	6.528	0.122	1.260	1.869
88	4.400	14.436	43.730	43.745	0.292	2.390	0.668
89	4.450	14.600	19.090	19.178	0.409	14.150	2.133
90	4.500	14.764	19.990	20.005	0.385	2.340	1.925
91	4.550	14.928	10.690	10.726	0.196	5.700	1.827
92	4.600	15.092	31.100	31.165	0.242	10.390	0.777
93	4.650	15.256	26.450	26.455	0.257	0.730	0.971
94	4.700	15.420	66.820	66.844	0.489	3.770	0.732
95	4.750	15.584	69.740	69.740	0.771	-0.080	1.106
96	4.800	15.748	27.610	27.618	0.774	1.210	2.803
97	4.850	15.912	13.430	13.534	0.576	16.700	4.256
98	4.900	16.076	17.080	17.116	0.341	5.830	1.992
99	4.950	16.240	19.330	19.369	0.365	6.280	1.884
100	5.000	16.404	21.820	21.825	0.567	0.870	2.598
101	5.050	16.568	34.140	34.187	0.815	7.450	2.384
102	5.100	16.732	36.460	36.450	1.066	-1.670	2.925
103	5.150	16.896	32.120	32.088	1.283	-5.080	3.998
104	5.200	17.060	35.380	35.364	1.216	-2.520	3.438
105	5.250	17.224	40.640	40.642	0.940	0.280	2.313
106	5.300	17.388	33.220	33.192	0.718	-4.500	2.163
107	5.350	17.552	31.460	31.415	0.804	-7.170	2.559
108	5.400	17.716	28.830	28.842	0.770	1.950	2.670
109	5.450	17.880	27.320	27.381	0.915	9.700	3.342
110	5.500	18.044	35.020	35.082	0.984	9.970	2.805
111	5.550	18.208	56.140	56.206	1.079	10.620	1.920
112	5.600	18.372	42.240	42.352	1.102	18.010	2.602
113	5.650	18.537	20.080	20.086	1.166	0.930	5.805
114	5.700	18.701	55.710	55.760	0.981	7.960	1.759
115	5.750	18.865	47.970	47.974	0.680	0.580	1.417
116	5.800	19.029	34.410	34.422	0.747	1.970	2.170
117	5.850	19.193	40.950	40.995	0.876	7.200	2.137
118	5.900	19.357	39.470	39.560	0.803	14.410	2.030
119	5.950	19.521	37.410	37.457	0.819	7.450	2.187
120	6.000	19.685	30.670	30.699	0.841	4.640	2.740
121	6.050	19.849	25.830	25.898	0.657	10.970	2.537
122	6.100	20.013	15.820	15.844	0.529	3.840	3.339
123	6.150	20.177	16.280	16.324	0.760	7.100	4.656
124	6.200	20.341	31.320	31.404	0.966	13.410	3.076
125	6.250	20.505	83.260	83.418	1.349	25.290	1.617
126	6.300	20.669	78.270	78.427	2.173	25.090	2.771
127	6.350	20.833	135.960	136.040	2.247	12.850	1.652
128	6.400	20.997	74.060	74.123	2.311	10.170	3.118
129	6.450	21.161	56.280	56.401	2.102	19.450	3.727

Layer	Depth	Depth	qc	qt	fs	u	Rf
	m	ft	tsf	tsf	tsf	ft	%
130	6.500	21.325	25.940	25.940	1.176	0.070	4.533
131	6.550	21.489	18.160	18.206	0.681	7.430	3.740
132	6.600	21.653	19.710	19.704	0.388	-0.980	1.969
133	6.650	21.817	14.070	14.117	0.442	7.570	3.131
134	6.700	21.981	24.980	25.060	0.507	12.890	2.023
135	6.750	22.145	25.200	25.211	0.431	1.820	1.710
136	6.800	22.309	37.840	37.941	0.548	16.150	1.444
137	6.850	22.473	39.000	38.997	1.305	-0.500	3.346
138	6.900	22.638	37.480	37.497	1.508	2.680	4.022
139	6.950	22.802	99.730	99.763	2.064	5.300	2.069
140	7.000	22.966	164.130	164.491	2.160	57.870	1.313
141	7.050	23.130	157.500	157.916	2.249	66.670	1.424
142	7.100	23.294	165.890	165.978	2.492	14.080	1.501
143	7.150	23.458	157.420	157.488	2.083	10.970	1.323
144	7.200	23.622	117.380	117.386	2.061	0.900	1.756
145	7.250	23.786	88.700	88.712	1.415	1.930	1.595
146	7.300	23.950	85.500	85.519	2.025	3.120	2.368
147	7.350	24.114	79.490	79.500	1.571	1.570	1.976
148	7.400	24.278	74.960	74.968	1.079	1.350	1.439
149	7.450	24.442	66.490	66.512	0.452	3.490	0.680
150	7.500	24.606	22.090	22.102	0.428	1.920	1.936
151	7.550	24.770	17.620	17.694	0.409	11.870	2.312
152	7.600	24.934	13.410	13.478	0.273	10.890	2.026
153	7.650	25.098	25.810	25.936	0.317	20.140	1.222
154	7.700	25.262	29.040	29.081	0.388	6.520	1.334
155	7.750	25.426	16.060	16.067	0.446	1.110	2.776
156	7.800	25.590	11.390	11.394	0.516	0.580	4.529
157	7.850	25.754	19.610	19.654	0.398	7.040	2.025
158	7.900	25.918	25.380	25.563	0.611	29.240	2.390
159	7.950	26.082	28.030	28.059	0.828	4.630	2.951
160	8.000	26.246	24.980	24.971	0.737	-1.370	2.951
161	8.050	26.410	27.490	27.486	0.726	-0.610	2.641
162	8.100	26.574	15.920	15.920	0.826	-0.070	5.189
163	8.150	26.739	37.420	37.518	0.885	15.650	2.359
164	8.200	26.903	36.470	36.460	3.248	-1.620	8.908
165	8.250	27.067	38.400	38.411	3.881	1.690	10.104
166	8.300	27.231	174.580	174.636	3.241	9.010	1.856
167	8.350	27.395	250.150	250.283	0.682	21.270	0.272
168	8.400	27.559	164.150	164.179	0.224	4.640	0.136
169	8.450	27.723	156.850	156.833	2.179	-2.800	1.389
170	8.500	27.887	49.240	49.236	1.644	-0.650	3.339
171	8.550	28.051	30.480	30.468	0.962	-1.970	3.157
172	8.600	28.215	24.820	24.813	0.510	-1.190	2.055
173	8.650	28.379	35.660	35.686	0.590	4.150	1.653
174	8.700	28.543	75.780	75.794	0.868	2.180	1.145
175	8.750	28.707	19.260	19.246	1.164	-2.290	6.048
176	8.800	28.871	25.500	25.526	0.886	4.130	3.471
177	8.850	29.035	22.960	22.981	1.055	3.430	4.591
178	8.900	29.199	23.450	23.488	0.519	6.160	2.210
179	8.950	29.363	13.080	13.082	0.609	0.360	4.655
180	9.000	29.527	19.070	19.085	0.739	2.370	3.872
181	9.050	29.691	9.500	9.576	0.410	12.100	4.282
182	9.100	29.855	11.760	11.793	0.469	5.320	3.977
183	9.150	30.019	19.930	19.969	0.533	6.270	2.669
184	9.200	30.183	20.360	20.335	0.615	-4.010	3.024

Layer	Depth	Depth	qc	qt	fs	u	Rf
	m	ft	tsf	tsf	tsf	ft	%
185	9.250	30.347	15.580	15.579	0.654	-0.140	4.198
186	9.300	30.511	13.850	13.836	0.608	-2.200	4.394
187	9.350	30.675	21.700	21.712	0.784	1.990	3.611
188	9.400	30.840	22.490	22.498	0.660	1.350	2.934
189	9.450	31.004	23.470	23.508	0.767	6.070	3.263
190	9.500	31.168	37.540	37.576	0.595	5.820	1.583
191	9.550	31.332	41.750	41.764	0.946	2.260	2.265
192	9.600	31.496	37.600	37.699	1.121	15.930	2.974
193	9.650	31.660	20.860	20.858	0.931	-0.320	4.464
194	9.700	31.824	19.070	19.047	0.614	-3.720	3.224
195	9.750	31.988	23.900	23.891	0.264	-1.480	1.105
196	9.800	32.152	10.150	10.157	0.167	1.060	1.644
197	9.850	32.316	18.090	18.091	0.181	0.120	1.001
198	9.900	32.480	30.990	31.002	0.189	1.880	0.610
199	9.950	32.644	34.040	34.051	0.337	1.840	0.990
200	10.000	32.808	20.550	20.566	0.384	2.560	1.867
201	10.050	32.972	21.730	21.752	0.482	3.590	2.216
202	10.100	33.136	21.160	21.184	0.504	3.890	2.379
203	10.150	33.300	20.120	20.148	0.554	4.500	2.750
204	10.200	33.464	20.610	20.640	0.582	4.870	2.820
205	10.250	33.628	20.280	20.307	0.545	4.360	2.684
206	10.300	33.792	20.340	20.368	0.545	4.510	2.676
207	10.350	33.956	20.540	20.554	0.570	2.310	2.773
208	10.400	34.120	21.080	21.097	0.619	2.730	2.934
209	10.450	34.284	20.940	20.954	0.569	2.320	2.715
210	10.500	34.448	20.280	20.293	0.559	2.080	2.755
211	10.550	34.612	21.470	21.468	0.517	-0.310	2.408
212	10.600	34.776	21.050	21.034	0.500	-2.580	2.377
213	10.650	34.941	20.930	20.917	0.471	-2.080	2.252
214	10.700	35.105	22.160	22.147	0.458	-2.010	2.068
215	10.750	35.269	20.980	20.969	0.456	-1.710	2.175
216	10.800	35.433	23.950	23.941	0.520	-1.400	2.172
217	10.850	35.597	25.610	25.606	0.548	-0.650	2.140
218	10.900	35.761	41.820	41.806	0.505	-2.260	1.208
219	10.950	35.925	59.090	59.075	0.341	-2.430	0.577
220	11.000	36.089	57.260	57.252	0.310	-1.350	0.541
221	11.050	36.253	54.850	54.843	0.263	-1.060	0.480
222	11.100	36.417	58.190	58.187	0.429	-0.490	0.737
223	11.150	36.581	69.480	69.570	0.731	14.470	1.051
224	11.200	36.745	70.680	70.756	0.974	12.150	1.377
225	11.250	36.909	68.880	68.935	1.205	8.780	1.748
226	11.300	37.073	65.920	65.962	1.004	6.700	1.522
227	11.350	37.237	61.680	61.717	0.944	5.900	1.530
228	11.400	37.401	59.060	59.093	0.904	5.300	1.530
229	11.450	37.565	62.660	62.692	0.793	5.170	1.265
230	11.500	37.729	75.330	75.371	0.843	6.580	1.118
231	11.550	37.893	98.980	99.012	0.971	5.150	0.981
232	11.600	38.057	117.710	117.756	1.189	7.310	1.010
233	11.650	38.221	129.220	129.278	1.418	9.270	1.097
234	11.700	38.385	127.110	127.159	1.613	7.920	1.268
235	11.750	38.549	112.600	112.657	1.681	9.200	1.492
236	11.800	38.713	91.200	91.252	1.579	8.380	1.730
237	11.850	38.877	79.980	80.029	1.374	7.800	1.717
238	11.900	39.042	75.720	75.763	1.312	6.860	1.732
239	11.950	39.206	77.810	77.854	1.302	7.040	1.672

Layer	Depth	Depth	qc	qt	fs	u	Rf
	m	ft	tsf	tsf	tsf	ft	%
240	12.000	39.370	78.840	78.885	1.277	7.250	1.619
241	12.050	39.534	89.080	89.130	1.158	7.960	1.299
242	12.100	39.698	109.970	110.028	1.254	9.300	1.140
243	12.150	39.862	158.180	158.246	1.730	10.620	1.093
244	12.200	40.026	214.600	214.685	2.223	13.620	1.035
245	12.250	40.190	211.850	211.946	2.516	15.300	1.187
246	12.300	40.354	176.360	176.444	2.246	13.450	1.273
247	12.350	40.518	134.500	134.541	2.141	6.620	1.591
248	12.400	40.682	72.570	72.616	2.013	7.350	2.772
249	12.450	40.846	38.190	38.214	1.427	3.820	3.734
250	12.500	41.010	27.690	27.740	0.979	7.960	3.529
251	12.550	41.174	36.800	36.850	0.871	8.050	2.364
252	12.600	41.338	53.400	53.457	0.989	9.120	1.850
253	12.650	41.502	74.970	75.014	1.129	7.050	1.505
254	12.700	41.666	96.050	96.107	1.232	9.070	1.282
255	12.750	41.830	99.300	99.340	1.281	6.470	1.290
256	12.800	41.994	92.410	92.447	1.256	5.940	1.359
257	12.850	42.158	82.320	82.360	1.234	6.330	1.498
258	12.900	42.322	90.920	90.963	1.299	6.880	1.428
259	12.950	42.486	132.790	132.848	1.552	9.230	1.168
260	13.000	42.650	223.680	223.750	2.203	11.230	0.985
261	13.050	42.814	320.090	320.168	2.981	12.530	0.931
262	13.100	42.978	372.660	372.780	3.865	19.250	1.037
263	13.150	43.143	388.890	388.989	4.703	15.800	1.209
264	13.200	43.307	413.020	413.143	5.374	19.670	1.301
265	13.250	43.471	414.690	414.824	5.588	21.530	1.347
266	13.300	43.635	401.770	401.904	5.498	21.510	1.368
267	13.350	43.799	390.220	390.340	5.169	19.270	1.324
268	13.400	43.963	390.420	390.523	0.000	16.450	0.000
269	13.450	44.127	393.440	393.538	0.000	15.770	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221492
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-1C-2R
Cone ID:	410:T1500F15U500
Operator:	DC/YB
CPT Date:	Feb-06-2014
CPT Time:	09:42
CPT File:	13-53075_GP1C-2R.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722033.400
Northing / Lat:	4294209.550
Elevation:	143.920
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	121.810	121.904	0.001	15.010	0.001	27.900
2	0.100	0.328	214.910	214.939	0.003	4.640	0.001	28.900
3	0.150	0.492	134.290	134.320	0.000	4.880	0.000	62.000
4	0.200	0.656	102.680	103.165	0.001	77.640	0.001	63.900
5	0.250	0.820	94.690	96.569	0.002	301.040	0.002	67.400
6	0.300	0.984	82.030	83.475	0.004	231.510	0.005	93.000
7	0.350	1.148	67.990	69.170	0.004	189.050	0.006	83.800
8	0.400	1.312	51.420	51.903	0.007	77.350	0.013	88.300
9	0.450	1.476	32.800	33.011	0.006	33.770	0.018	79.400
10	0.500	1.640	19.640	19.755	0.008	18.380	0.040	93.300
11	0.550	1.804	13.380	13.411	0.005	4.950	0.037	85.900
12	0.600	1.968	11.190	11.217	0.005	4.360	0.045	100.000
13	0.650	2.133	9.570	9.587	0.009	2.700	0.094	88.900
14	0.700	2.297	8.150	8.161	0.009	1.690	0.110	92.200
15	0.750	2.461	6.670	6.678	0.005	1.290	0.075	89.500
16	0.800	2.625	6.890	6.896	0.009	0.920	0.131	93.200
17	0.850	2.789	7.820	7.837	0.004	2.680	0.051	85.600
18	0.900	2.953	5.760	5.777	0.008	2.790	0.138	89.000
19	0.950	3.117	6.190	6.208	0.004	2.830	0.064	79.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	5.170	5.184	0.001	2.260	0.019	85.200
21	1.050	3.445	5.050	5.061	0.001	1.720	0.020	83.400
22	1.100	3.609	4.080	4.087	0.001	1.080	0.024	93.500
23	1.150	3.773	3.610	3.610	0.002	0.050	0.055	101.600
24	1.200	3.937	7.450	7.447	0.006	-0.490	0.081	88.900
25	1.250	4.101	8.380	8.384	0.007	0.680	0.083	84.500
26	1.300	4.265	12.150	12.158	0.002	1.220	0.016	82.900
27	1.350	4.429	21.030	21.042	0.003	1.880	0.014	80.800
28	1.400	4.593	28.680	28.693	0.003	2.090	0.010	83.700
29	1.450	4.757	35.230	35.234	0.006	0.650	0.017	104.700
30	1.500	4.921	28.840	28.829	0.005	-1.770	0.017	96.200
31	1.550	5.085	22.980	22.984	0.005	0.680	0.022	88.800
32	1.600	5.249	17.750	17.738	0.006	-1.980	0.034	96.600
33	1.650	5.413	14.220	14.210	0.005	-1.640	0.035	89.700
34	1.700	5.577	15.790	15.781	0.008	-1.440	0.051	83.000
35	1.750	5.741	20.330	20.327	0.006	-0.450	0.030	82.900
36	1.800	5.905	21.020	21.035	0.016	2.450	0.076	97.000
37	1.850	6.069	28.690	28.713	0.008	3.730	0.028	94.300
38	1.900	6.234	49.870	49.900	0.132	4.820	0.265	100.800
39	1.950	6.398	56.950	56.986	0.442	5.780	0.776	81.200
40	2.000	6.562	46.600	46.631	0.405	4.920	0.869	96.300
41	2.050	6.726	26.690	26.703	0.296	2.120	1.108	104.000
42	2.100	6.890	21.350	21.354	0.309	0.570	1.447	93.900
43	2.150	7.054	27.740	27.755	0.306	2.390	1.103	92.400
44	2.200	7.218	31.970	31.996	0.354	4.180	1.106	90.900
45	2.250	7.382	36.790	36.820	0.468	4.830	1.271	90.600
46	2.300	7.546	36.770	36.803	0.396	5.290	1.076	93.400
47	2.350	7.710	28.430	28.450	0.236	3.140	0.830	90.700
48	2.400	7.874	19.810	19.812	0.242	0.270	1.222	90.600
49	2.450	8.038	20.710	20.699	0.204	-1.840	0.986	77.900
50	2.500	8.202	13.350	13.335	0.217	-2.480	1.627	72.900
51	2.550	8.366	14.790	14.859	0.215	11.070	1.447	84.000
52	2.600	8.530	18.870	18.920	0.193	7.990	1.020	75.300
53	2.650	8.694	19.550	19.592	0.187	6.690	0.954	84.000
54	2.700	8.858	19.430	19.472	0.174	6.670	0.894	99.100
55	2.750	9.022	18.340	18.382	0.098	6.650	0.533	107.200
56	2.800	9.186	22.720	22.774	0.049	8.670	0.215	90.000
57	2.850	9.350	16.640	16.659	0.015	3.060	0.090	93.900
58	2.900	9.514	12.760	12.767	0.016	1.180	0.125	81.200
59	2.950	9.678	20.910	20.860	0.226	-7.960	1.083	46.300
60	3.000	9.842	49.570	49.626	0.162	9.010	0.326	45.700
61	3.050	10.006	11.520	11.565	0.103	7.130	0.891	40.000
62	3.100	10.170	6.870	6.901	0.070	4.940	1.014	30.400
63	3.150	10.335	13.530	13.570	0.015	6.410	0.111	22.900
64	3.200	10.499	22.610	22.637	0.022	4.400	0.097	24.500
65	3.250	10.663	33.000	33.027	0.213	4.330	0.645	24.400
66	3.300	10.827	35.800	35.829	0.141	4.660	0.394	23.100
67	3.350	10.991	16.780	16.796	0.366	2.600	2.179	21.300
68	3.400	11.155	31.620	31.660	0.188	6.420	0.594	19.000
69	3.450	11.319	42.790	42.802	0.326	1.860	0.762	15.900
70	3.500	11.483	65.040	65.130	0.573	14.410	0.880	23.100
71	3.550	11.647	60.160	60.180	0.725	3.260	1.205	21.900
72	3.600	11.811	16.490	16.531	0.399	6.500	2.414	23.500
73	3.650	11.975	14.770	14.801	0.390	4.990	2.635	27.400
74	3.700	12.139	23.440	23.520	0.261	12.860	1.110	34.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	12.410	12.519	0.327	17.490	2.612	45.900
76	3.800	12.467	26.430	26.616	0.304	29.850	1.142	47.400
77	3.850	12.631	43.260	43.336	0.247	12.180	0.570	47.000
78	3.900	12.795	49.050	49.070	0.358	3.260	0.730	36.100
79	3.950	12.959	34.580	34.610	0.365	4.840	1.055	38.900
80	4.000	13.123	21.400	21.411	0.552	1.710	2.578	28.300
81	4.050	13.287	43.720	43.741	0.674	3.310	1.541	26.800
82	4.100	13.451	26.900	27.026	0.809	20.150	2.993	16.000
83	4.150	13.615	36.550	36.650	1.007	16.040	2.748	18.900
84	4.200	13.779	29.350	29.357	0.652	1.200	2.221	10.300
85	4.250	13.943	28.830	28.845	0.393	2.380	1.362	9.100
86	4.300	14.107	39.220	39.263	0.540	6.870	1.375	12.400
87	4.350	14.271	59.830	59.849	0.744	3.060	1.243	11.100
88	4.400	14.436	59.340	59.608	0.764	42.900	1.282	11.800
89	4.450	14.600	24.110	24.257	0.745	23.570	3.071	12.400
90	4.500	14.764	30.490	30.661	0.733	27.430	2.391	10.100
91	4.550	14.928	37.250	37.308	0.466	9.350	1.249	10.500
92	4.600	15.092	42.190	42.274	0.633	13.490	1.497	10.300
93	4.650	15.256	40.370	40.486	0.581	18.510	1.435	12.700
94	4.700	15.420	15.620	15.567	0.661	-8.440	4.246	16.400
95	4.750	15.584	35.730	35.770	0.415	6.380	1.160	18.600
96	4.800	15.748	19.480	19.590	0.411	17.560	2.098	19.700
97	4.850	15.912	16.520	16.553	0.411	5.350	2.483	26.700
98	4.900	16.076	15.510	15.618	0.384	17.250	2.459	34.700
99	4.950	16.240	13.770	13.852	0.566	13.100	4.086	42.000
100	5.000	16.404	24.680	24.749	0.701	11.120	2.832	50.100
101	5.050	16.568	22.430	22.627	0.839	31.530	3.708	74.200
102	5.100	16.732	21.020	21.124	0.888	16.590	4.204	80.300
103	5.150	16.896	20.250	20.326	0.887	12.150	4.364	88.500
104	5.200	17.060	35.880	35.991	0.967	17.740	2.687	87.600
105	5.250	17.224	74.410	74.512	0.989	16.260	1.327	89.200
106	5.300	17.388	43.220	43.252	0.998	5.130	2.307	90.700
107	5.350	17.552	32.990	32.960	0.677	-4.860	2.054	75.900
108	5.400	17.716	17.050	17.020	0.393	-4.860	2.309	59.000
109	5.450	17.880	12.250	12.224	0.310	-4.210	2.536	65.700
110	5.500	18.044	9.620	9.606	0.250	-2.290	2.603	45.700
111	5.550	18.208	12.320	12.292	0.193	-4.510	1.570	45.300
112	5.600	18.372	9.300	9.334	0.145	5.460	1.553	35.100
113	5.650	18.537	22.580	22.598	0.588	2.880	2.602	23.200
114	5.700	18.701	65.790	65.826	0.790	5.720	1.200	20.600
115	5.750	18.865	41.100	41.159	1.120	9.380	2.721	20.900
116	5.800	19.029	23.140	23.273	1.045	21.260	4.490	16.400
117	5.850	19.193	22.120	22.176	0.963	8.990	4.343	24.400
118	5.900	19.357	18.820	18.796	0.821	-3.770	4.368	17.700
119	5.950	19.521	17.890	18.034	0.673	23.080	3.732	18.600
120	6.000	19.685	13.350	13.471	0.364	19.450	2.702	16.100
121	6.050	19.849	19.580	19.632	0.320	8.370	1.630	14.100
122	6.100	20.013	28.170	28.196	0.387	4.160	1.373	16.800
123	6.150	20.177	11.390	11.405	0.390	2.330	3.420	27.600
124	6.200	20.341	5.880	5.926	0.359	7.300	6.058	20.600
125	6.250	20.505	6.590	6.667	0.240	12.400	3.600	19.100
126	6.300	20.669	12.190	12.270	0.313	12.860	2.551	14.500
127	6.350	20.833	21.120	21.180	0.609	9.620	2.875	15.500
128	6.400	20.997	64.670	64.748	1.227	12.420	1.895	20.000
129	6.450	21.161	62.180	62.212	1.323	5.140	2.127	15.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	20.810	20.747	1.222	-10.070	5.890	18.900
131	6.550	21.489	16.090	16.284	0.788	31.050	4.839	30.700
132	6.600	21.653	20.510	20.744	0.483	37.500	2.328	30.700
133	6.650	21.817	20.970	21.067	0.499	15.490	2.369	20.400
134	6.700	21.981	14.930	14.974	0.507	7.090	3.386	26.700
135	6.750	22.145	9.700	9.764	0.430	10.200	4.404	21.600
136	6.800	22.309	15.110	15.118	0.384	1.330	2.540	21.000
137	6.850	22.473	6.920	7.003	0.354	13.220	5.055	19.500
138	6.900	22.638	13.620	13.739	0.219	19.070	1.594	17.200
139	6.950	22.802	34.920	35.030	0.356	17.690	1.016	20.400
140	7.000	22.966	80.900	80.929	0.652	4.590	0.806	16.000
141	7.050	23.130	98.640	99.088	0.991	71.760	1.000	15.100
142	7.100	23.294	42.200	42.306	0.990	17.050	2.340	22.700
143	7.150	23.458	24.130	24.170	0.786	6.390	3.252	21.600
144	7.200	23.622	49.480	49.524	0.773	6.980	1.561	34.000
145	7.250	23.786	22.550	22.597	1.005	7.530	4.447	37.500
146	7.300	23.950	39.940	39.934	1.206	-0.920	3.020	43.400
147	7.350	24.114	74.100	74.165	0.947	10.340	1.277	59.100
148	7.400	24.278	28.390	28.449	0.954	9.470	3.353	78.100
149	7.450	24.442	34.180	34.278	0.872	15.620	2.544	78.500
150	7.500	24.606	26.310	26.405	0.576	15.240	2.181	77.300
151	7.550	24.770	23.290	23.389	0.636	15.780	2.719	77.800
152	7.600	24.934	46.360	46.578	0.936	34.910	2.010	84.800
153	7.650	25.098	45.090	45.197	0.814	17.220	1.801	64.700
154	7.700	25.262	53.630	53.690	1.111	9.670	2.069	63.100
155	7.750	25.426	47.740	47.772	1.709	5.100	3.577	66.000
156	7.800	25.590	22.840	22.870	1.381	4.860	6.038	62.900
157	7.850	25.754	128.200	128.442	1.125	38.770	0.876	71.400
158	7.900	25.918	150.440	150.635	0.483	31.260	0.321	67.600
159	7.950	26.082	85.120	85.289	0.615	27.010	0.721	83.500
160	8.000	26.246	60.470	60.517	0.722	7.560	1.193	67.700
161	8.050	26.410	61.120	61.202	1.392	13.170	2.274	67.100
162	8.100	26.574	43.870	43.952	2.674	13.070	6.084	70.900
163	8.150	26.739	58.060	58.024	3.696	-5.800	6.370	56.000
164	8.200	26.903	18.170	18.168	2.986	-0.380	16.436	82.400
165	8.250	27.067	42.110	42.169	2.279	9.390	5.404	95.900
166	8.300	27.231	34.090	34.097	0.782	1.130	2.293	117.900
167	8.350	27.395	24.270	24.315	0.958	7.220	3.940	98.600
168	8.400	27.559	46.930	46.975	1.010	7.190	2.150	99.900
169	8.450	27.723	76.000	76.113	1.270	18.180	1.669	99.800
170	8.500	27.887	59.950	60.129	1.465	28.700	2.436	112.000
171	8.550	28.051	28.460	28.486	1.103	4.190	3.872	118.100
172	8.600	28.215	14.930	14.947	0.873	2.690	5.841	129.000
173	8.650	28.379	23.120	23.156	0.637	5.820	2.751	129.600
174	8.700	28.543	15.830	15.818	0.430	-1.970	2.718	106.900
175	8.750	28.707	18.640	18.719	0.597	12.640	3.189	100.100
176	8.800	28.871	30.140	30.167	0.613	4.280	2.032	105.300
177	8.850	29.035	32.720	32.839	0.530	19.030	1.614	115.000
178	8.900	29.199	34.020	34.072	0.791	8.360	2.322	129.900
179	8.950	29.363	36.290	36.341	0.732	8.100	2.014	153.000
180	9.000	29.527	20.310	20.350	0.635	6.330	3.120	234.100
181	9.050	29.691	23.630	23.649	0.431	2.980	1.823	295.300
182	9.100	29.855	30.630	30.644	0.231	2.220	0.754	395.400
183	9.150	30.019	35.940	35.984	0.538	7.120	1.495	466.200
184	9.200	30.183	44.110	44.160	1.021	8.000	2.312	514.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	38.510	38.582	1.300	11.470	3.369	521.500
186	9.300	30.511	20.280	20.226	1.238	-8.730	6.121	467.300
187	9.350	30.675	24.970	25.173	0.855	32.580	3.396	431.800
188	9.400	30.840	29.420	29.541	0.597	19.380	2.021	408.600
189	9.450	31.004	25.710	25.884	0.770	27.910	2.975	417.200
190	9.500	31.168	38.470	38.597	1.025	20.310	2.656	418.500
191	9.550	31.332	55.820	55.928	1.101	17.340	1.969	358.800
192	9.600	31.496	63.740	63.741	1.200	0.150	1.883	376.600
193	9.650	31.660	59.410	59.441	1.330	4.920	2.238	347.700
194	9.700	31.824	75.350	75.390	1.336	6.430	1.772	322.000
195	9.750	31.988	39.860	39.855	1.099	-0.860	2.758	247.500
196	9.800	32.152	25.830	25.848	0.849	2.840	3.285	247.200
197	9.850	32.316	30.180	30.177	0.915	-0.540	3.032	188.900
198	9.900	32.480	26.260	26.290	1.080	4.870	4.108	164.900
199	9.950	32.644	49.980	50.204	1.171	35.810	2.333	101.600
200	10.000	32.808	90.830	90.859	1.947	4.660	2.143	86.700
201	10.050	32.972	117.610	117.635	2.161	4.010	1.837	82.700
202	10.100	33.136	87.970	88.018	2.075	7.710	2.357	77.500
203	10.150	33.300	35.210	35.270	1.672	9.570	4.741	101.100
204	10.200	33.464	25.320	25.656	1.171	53.780	4.564	83.000
205	10.250	33.628	23.270	23.662	0.847	62.730	3.580	104.500
206	10.300	33.792	20.840	21.196	0.823	57.080	3.883	96.100
207	10.350	33.956	20.750	21.031	0.898	44.940	4.270	98.100
208	10.400	34.120	20.140	20.407	0.944	42.800	4.626	89.200
209	10.450	34.284	19.500	19.721	0.965	35.350	4.893	95.900
210	10.500	34.448	19.330	19.546	0.961	34.580	4.917	86.700
211	10.550	34.612	18.930	19.158	0.915	36.540	4.776	99.300
212	10.600	34.776	19.070	19.258	0.885	30.080	4.596	90.900
213	10.650	34.941	17.250	17.482	0.881	37.090	5.040	88.400
214	10.700	35.105	18.110	18.320	0.850	33.670	4.640	113.800
215	10.750	35.269	18.270	18.458	0.833	30.130	4.513	106.600
216	10.800	35.433	19.980	20.128	0.752	23.710	3.736	101.100
217	10.850	35.597	22.640	22.754	0.642	18.340	2.821	98.800
218	10.900	35.761	22.220	22.325	0.569	16.870	2.549	93.800
219	10.950	35.925	19.360	19.462	0.507	16.400	2.605	104.600
220	11.000	36.089	21.960	22.105	0.369	23.270	1.669	91.700
221	11.050	36.253	32.100	32.251	0.297	24.140	0.921	106.200
222	11.100	36.417	40.470	40.554	0.242	13.410	0.597	95.000
223	11.150	36.581	37.150	37.209	0.252	9.490	0.677	74.700
224	11.200	36.745	44.110	44.159	0.312	7.920	0.707	106.300
225	11.250	36.909	54.140	54.186	0.374	7.420	0.690	97.700
226	11.300	37.073	58.030	58.077	0.427	7.470	0.735	105.500
227	11.350	37.237	58.750	58.792	0.468	6.720	0.796	82.100
228	11.400	37.401	60.440	60.482	0.526	6.800	0.870	96.900
229	11.450	37.565	65.460	65.503	0.625	6.890	0.954	93.900
230	11.500	37.729	73.920	73.966	0.760	7.420	1.027	87.600
231	11.550	37.893	94.430	94.484	0.735	8.690	0.778	99.800
232	11.600	38.057	123.380	123.446	0.877	10.570	0.710	94.800
233	11.650	38.221	151.890	151.967	1.120	12.410	0.737	86.000
234	11.700	38.385	167.850	167.932	1.500	13.190	0.893	66.600
235	11.750	38.549	154.260	154.349	1.675	14.330	1.085	76.000
236	11.800	38.713	128.900	128.980	1.534	12.830	1.189	94.500
237	11.850	38.877	115.740	115.814	1.316	11.840	1.136	85.900
238	11.900	39.042	103.130	103.201	1.230	11.330	1.192	89.600
239	11.950	39.206	97.250	97.314	1.124	10.250	1.155	88.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	98.450	98.510	1.180	9.590	1.198	76.600
241	12.050	39.534	114.520	114.583	1.377	10.090	1.202	70.200
242	12.100	39.698	138.190	138.265	1.444	12.000	1.044	68.500
243	12.150	39.862	181.650	181.741	1.560	14.550	0.858	79.500
244	12.200	40.026	235.530	235.632	1.934	16.380	0.821	82.800
245	12.250	40.190	242.360	242.497	2.481	21.920	1.023	69.500
246	12.300	40.354	206.660	206.807	2.249	23.600	1.087	72.400
247	12.350	40.518	180.560	180.669	1.749	17.530	0.968	84.300
248	12.400	40.682	155.010	155.098	1.544	14.160	0.995	0.000
249	12.450	40.846	108.880	108.944	1.518	10.180	1.393	0.000
250	12.500	41.010	57.530	57.569	1.367	6.320	2.375	0.000
251	12.550	41.174	31.370	31.409	0.784	6.240	2.496	0.000
252	12.600	41.338	29.420	29.474	0.685	8.720	2.324	0.000
253	12.650	41.502	43.700	43.739	0.649	6.300	1.484	0.000
254	12.700	41.666	48.650	48.689	0.777	6.190	1.596	0.000
255	12.750	41.830	72.290	72.332	0.983	6.710	1.359	0.000
256	12.800	41.994	98.670	98.713	0.969	6.950	0.982	0.000
257	12.850	42.158	115.010	115.061	1.006	8.170	0.874	0.000
258	12.900	42.322	117.790	117.836	1.164	7.360	0.988	0.000
259	12.950	42.486	115.030	115.077	1.259	7.470	1.094	0.000
260	13.000	42.650	108.690	108.737	1.396	7.450	1.284	0.000
261	13.050	42.814	136.620	136.669	1.692	7.840	1.238	0.000
262	13.100	42.978	229.690	229.761	0.000	11.370	0.000	0.000
263	13.150	43.143	295.750	295.859	0.000	17.490	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221494
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-1C-3
Cone ID:	406:T1500F15U500
Operator:	DC/YB
CPT Date:	Jan-30-2014
CPT Time:	11:02
CPT File:	13-53075_GP1C-3.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722058.700
Northing / Lat:	4294224.180
Elevation:	148.150
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
1	0.050	0.164	5.640	5.671	0.036	4.980	0.635	22.700
2	0.100	0.328	33.740	33.766	0.089	4.100	0.264	29.800
3	0.150	0.492	51.030	51.025	0.034	-0.790	0.067	23.100
4	0.200	0.656	43.250	43.257	0.132	1.200	0.305	23.700
5	0.250	0.820	63.690	63.711	0.228	3.390	0.358	23.900
6	0.300	0.984	39.990	40.001	1.015	1.740	2.537	23.700
7	0.350	1.148	45.560	45.570	1.268	1.680	2.783	16.300
8	0.400	1.312	255.700	255.706	1.110	0.980	0.434	16.700
9	0.450	1.476	284.370	284.376	1.102	0.980	0.388	19.100
10	0.500	1.640	294.100	294.124	0.729	3.820	0.248	16.100
11	0.550	1.804	274.960	274.991	0.365	5.040	0.133	19.900
12	0.600	1.968	105.890	105.936	1.325	7.310	1.251	20.500
13	0.650	2.133	154.570	154.618	0.609	7.610	0.394	18.500
14	0.700	2.297	179.990	180.038	1.498	7.710	0.832	23.400
15	0.750	2.461	99.980	99.987	0.837	1.100	0.837	20.700
16	0.800	2.625	82.800	82.801	0.455	0.130	0.550	22.000
17	0.850	2.789	76.110	76.125	0.446	2.380	0.586	22.600
18	0.900	2.953	54.670	54.673	0.720	0.530	1.317	27.900
19	0.950	3.117	96.280	96.275	0.684	-0.830	0.710	36.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	109.770	109.775	0.927	0.730	0.844	33.400
21	1.050	3.445	142.350	142.400	1.555	7.930	1.092	47.800
22	1.100	3.609	180.450	180.448	1.625	-0.380	0.901	33.300
23	1.150	3.773	212.780	212.782	0.800	0.250	0.376	38.900
24	1.200	3.937	241.660	241.661	1.794	0.150	0.742	37.000
25	1.250	4.101	252.990	253.007	1.996	2.730	0.789	49.200
26	1.300	4.265	178.830	178.831	2.958	0.140	1.654	39.200
27	1.350	4.429	158.430	158.430	1.810	0.080	1.142	33.900
28	1.400	4.593	161.260	161.287	1.580	4.290	0.980	46.700
29	1.450	4.757	119.910	119.928	0.956	2.840	0.797	67.500
30	1.500	4.921	104.120	104.142	1.276	3.510	1.225	80.000
31	1.550	5.085	56.330	56.374	1.472	6.970	2.611	82.700
32	1.600	5.249	54.950	55.089	1.440	22.290	2.614	92.400
33	1.650	5.413	82.170	82.368	1.628	31.650	1.977	105.300
34	1.700	5.577	87.960	88.071	1.748	17.750	1.985	88.400
35	1.750	5.741	79.280	79.336	1.946	8.970	2.453	85.300
36	1.800	5.905	78.650	78.656	2.029	0.920	2.580	74.400
37	1.850	6.069	74.970	74.940	2.149	-4.780	2.868	80.000
38	1.900	6.234	71.860	71.824	2.068	-5.810	2.879	80.600
39	1.950	6.398	93.640	93.606	1.866	-5.430	1.993	77.400
40	2.000	6.562	113.060	113.040	1.648	-3.280	1.458	86.700
41	2.050	6.726	93.260	93.216	1.398	-6.980	1.500	85.800
42	2.100	6.890	74.810	74.772	1.515	-6.060	2.026	79.600
43	2.150	7.054	59.870	59.839	1.277	-4.960	2.134	57.000
44	2.200	7.218	42.080	42.056	1.155	-3.850	2.746	63.800
45	2.250	7.382	46.240	46.238	0.714	-0.280	1.544	43.500
46	2.300	7.546	60.910	60.905	0.543	-0.780	0.892	45.500
47	2.350	7.710	67.670	67.694	0.538	3.860	0.795	39.500
48	2.400	7.874	81.310	81.341	1.097	5.020	1.349	47.600
49	2.450	8.038	54.400	55.051	1.281	104.260	2.327	45.200
50	2.500	8.202	32.770	32.801	1.175	4.890	3.582	38.800
51	2.550	8.366	32.670	32.724	0.744	8.630	2.274	53.100
52	2.600	8.530	30.020	30.053	0.811	5.240	2.699	52.700
53	2.650	8.694	27.220	27.279	0.811	9.480	2.973	60.300
54	2.700	8.858	24.380	24.438	0.884	9.370	3.617	49.400
55	2.750	9.022	23.400	23.471	0.910	11.390	3.877	48.200
56	2.800	9.186	53.290	53.346	1.097	9.030	2.056	38.900
57	2.850	9.350	27.170	27.223	1.196	8.470	4.393	31.700
58	2.900	9.514	42.280	42.328	1.163	7.690	2.748	27.300
59	2.950	9.678	28.270	28.321	1.045	8.160	3.690	20.900
60	3.000	9.842	23.350	23.378	1.160	4.410	4.962	18.700
61	3.050	10.006	21.890	21.943	1.302	8.540	5.933	19.300
62	3.100	10.170	20.890	20.972	1.336	13.080	6.371	15.700
63	3.150	10.335	21.280	21.372	1.339	14.700	6.265	13.800
64	3.200	10.499	23.280	23.362	1.254	13.210	5.368	15.200
65	3.250	10.663	29.070	29.170	0.865	15.980	2.965	15.700
66	3.300	10.827	46.810	46.914	0.720	16.720	1.535	27.200
67	3.350	10.991	72.540	72.615	0.538	11.980	0.741	17.200
68	3.400	11.155	76.800	77.260	0.313	73.700	0.405	34.700
69	3.450	11.319	79.950	80.044	0.543	15.020	0.678	23.200
70	3.500	11.483	76.970	77.065	0.749	15.290	0.972	28.700
71	3.550	11.647	47.270	47.285	0.493	2.400	1.043	36.100
72	3.600	11.811	32.180	32.169	0.492	-1.730	1.529	42.200
73	3.650	11.975	37.420	37.439	0.212	3.060	0.566	38.800
74	3.700	12.139	21.680	21.685	0.362	0.850	1.669	34.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	19.160	19.216	0.481	9.020	2.503	39.800
76	3.800	12.467	19.120	19.177	0.456	9.140	2.378	35.400
77	3.850	12.631	15.150	15.160	0.459	1.640	3.028	48.500
78	3.900	12.795	13.460	13.482	0.464	3.500	3.442	45.800
79	3.950	12.959	36.900	36.903	0.497	0.470	1.347	50.900
80	4.000	13.123	24.820	24.867	0.501	7.480	2.015	56.000
81	4.050	13.287	13.850	13.888	0.567	6.160	4.083	66.500
82	4.100	13.451	18.010	18.070	0.727	9.560	4.023	69.800
83	4.150	13.615	46.010	46.008	0.650	-0.260	1.413	66.400
84	4.200	13.779	52.140	52.066	1.190	-11.900	2.286	55.500
85	4.250	13.943	34.270	34.204	1.053	-10.610	3.079	44.300
86	4.300	14.107	54.120	54.095	1.036	-4.070	1.915	31.300
87	4.350	14.271	56.790	56.748	1.554	-6.680	2.738	35.400
88	4.400	14.436	64.960	64.966	1.871	0.980	2.880	42.400
89	4.450	14.600	38.350	38.370	1.677	3.150	4.371	55.800
90	4.500	14.764	17.990	17.995	1.032	0.840	5.735	56.900
91	4.550	14.928	24.690	24.749	0.688	9.490	2.780	62.500
92	4.600	15.092	29.140	29.153	0.983	2.070	3.372	54.800
93	4.650	15.256	34.220	34.228	0.590	1.330	1.724	61.100
94	4.700	15.420	49.870	49.849	0.699	-3.360	1.402	42.500
95	4.750	15.584	55.470	55.513	0.763	6.920	1.374	46.900
96	4.800	15.748	76.140	76.170	1.976	4.780	2.594	50.100
97	4.850	15.912	65.990	66.014	1.484	3.790	2.248	61.800
98	4.900	16.076	105.940	105.898	2.205	-6.750	2.082	65.400
99	4.950	16.240	110.620	110.576	2.743	-6.980	2.481	82.800
100	5.000	16.404	95.580	95.632	2.865	8.310	2.996	93.500
101	5.050	16.568	112.020	112.058	2.814	6.050	2.511	82.200
102	5.100	16.732	101.340	101.346	3.113	0.960	3.072	72.300
103	5.150	16.896	87.930	87.935	3.094	0.840	3.518	50.700
104	5.200	17.060	79.360	79.383	2.704	3.650	3.406	60.500
105	5.250	17.224	85.020	85.065	2.203	7.240	2.590	56.400
106	5.300	17.388	88.390	88.436	1.741	7.440	1.969	51.100
107	5.350	17.552	102.220	102.254	2.204	5.380	2.155	59.400
108	5.400	17.716	71.120	71.145	2.145	3.980	3.015	41.100
109	5.450	17.880	39.350	39.363	1.951	2.060	4.956	64.200
110	5.500	18.044	39.600	39.621	1.322	3.320	3.337	71.700
111	5.550	18.208	32.350	32.497	0.939	23.570	2.889	84.500
112	5.600	18.372	44.880	44.949	0.604	10.980	1.344	79.400
113	5.650	18.537	44.060	44.100	0.426	6.420	0.966	80.500
114	5.700	18.701	42.570	42.598	0.396	4.500	0.930	72.400
115	5.750	18.865	42.020	42.041	0.939	3.350	2.234	55.200
116	5.800	19.029	71.220	71.256	1.524	5.800	2.139	41.600
117	5.850	19.193	74.590	74.620	1.825	4.750	2.446	32.100
118	5.900	19.357	53.770	53.780	2.716	1.580	5.050	29.100
119	5.950	19.521	80.280	80.390	3.011	17.600	3.745	21.700
120	6.000	19.685	90.540	90.618	3.303	12.450	3.645	19.300
121	6.050	19.849	150.660	150.750	3.417	14.430	2.267	22.700
122	6.100	20.013	116.830	116.868	3.459	6.070	2.960	13.100
123	6.150	20.177	142.020	142.097	1.891	12.310	1.331	19.400
124	6.200	20.341	76.820	76.826	0.265	0.900	0.345	17.700
125	6.250	20.505	72.620	72.710	0.018	14.430	0.025	13.200
126	6.300	20.669	75.480	75.556	0.484	12.210	0.641	21.600
127	6.350	20.833	70.310	70.382	0.451	11.520	0.641	36.800
128	6.400	20.997	52.880	52.918	0.574	6.160	1.085	35.900
129	6.450	21.161	60.240	60.338	0.499	15.630	0.827	56.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	48.730	48.794	0.358	10.190	0.734	67.800
131	6.550	21.489	28.800	28.917	0.495	18.740	1.712	86.600
132	6.600	21.653	34.080	34.178	0.576	15.690	1.685	87.200
133	6.650	21.817	32.960	33.052	0.668	14.760	2.021	87.800
134	6.700	21.981	30.160	30.232	0.650	11.510	2.150	109.600
135	6.750	22.145	23.740	23.800	0.644	9.680	2.706	100.900
136	6.800	22.309	26.650	26.715	0.598	10.350	2.238	93.200
137	6.850	22.473	25.270	25.321	0.613	8.130	2.421	80.200
138	6.900	22.638	23.360	23.391	0.521	4.960	2.227	72.600
139	6.950	22.802	16.390	16.428	0.398	6.100	2.423	83.600
140	7.000	22.966	12.640	12.694	0.337	8.690	2.655	70.400
141	7.050	23.130	14.170	14.229	0.482	9.400	3.388	64.500
142	7.100	23.294	14.780	14.859	0.371	12.710	2.497	53.200
143	7.150	23.458	74.400	74.487	0.716	14.010	0.961	38.600
144	7.200	23.622	44.980	45.058	1.388	12.540	3.080	29.800
145	7.250	23.786	79.950	80.028	1.636	12.500	2.044	25.300
146	7.300	23.950	69.730	69.761	1.503	4.890	2.155	26.900
147	7.350	24.114	54.330	54.368	1.410	6.100	2.593	17.000
148	7.400	24.278	47.240	47.290	1.067	8.000	2.256	18.800
149	7.450	24.442	26.350	26.398	0.908	7.640	3.440	22.200
150	7.500	24.606	63.020	63.063	0.653	6.880	1.035	17.100
151	7.550	24.770	46.040	46.100	0.303	9.660	0.657	25.900
152	7.600	24.934	39.840	39.891	0.656	8.140	1.644	31.000
153	7.650	25.098	47.900	47.951	0.602	8.190	1.255	29.900
154	7.700	25.262	42.010	42.048	0.591	6.050	1.406	40.600
155	7.750	25.426	50.200	50.251	0.851	8.130	1.694	45.000
156	7.800	25.590	41.930	41.971	0.758	6.600	1.806	54.600
157	7.850	25.754	24.090	24.179	0.636	14.240	2.630	72.500
158	7.900	25.918	24.920	25.001	0.620	12.920	2.480	90.100
159	7.950	26.082	24.620	24.678	0.819	9.310	3.319	73.600
160	8.000	26.246	25.780	25.869	0.668	14.330	2.582	81.500
161	8.050	26.410	36.050	36.168	0.649	18.900	1.794	76.100
162	8.100	26.574	23.400	23.413	0.562	2.090	2.400	72.000
163	8.150	26.739	19.450	19.497	0.609	7.580	3.124	57.600
164	8.200	26.903	16.020	16.118	0.394	15.730	2.444	55.100
165	8.250	27.067	18.440	18.486	0.311	7.430	1.682	44.800
166	8.300	27.231	22.680	22.720	0.338	6.460	1.488	41.300
167	8.350	27.395	44.370	44.385	0.956	2.400	2.154	29.600
168	8.400	27.559	84.480	84.494	1.286	2.300	1.522	29.000
169	8.450	27.723	80.130	80.151	1.552	3.420	1.936	23.200
170	8.500	27.887	90.650	90.669	0.677	3.000	0.747	19.800
171	8.550	28.051	59.330	59.461	0.736	20.920	1.238	18.300
172	8.600	28.215	50.610	50.680	2.213	11.240	4.367	19.900
173	8.650	28.379	58.040	58.108	1.022	10.890	1.759	19.500
174	8.700	28.543	86.300	86.266	1.034	-5.430	1.199	19.600
175	8.750	28.707	104.340	104.395	1.024	8.800	0.981	10.300
176	8.800	28.871	47.620	47.596	1.756	-3.880	3.689	16.800
177	8.850	29.035	123.610	123.700	2.783	14.430	2.250	14.500
178	8.900	29.199	111.200	111.236	2.542	5.710	2.285	17.800
179	8.950	29.363	109.400	109.397	0.615	-0.490	0.562	19.500
180	9.000	29.527	25.440	25.403	0.042	-5.990	0.165	26.800
181	9.050	29.691	117.410	117.427	0.039	2.730	0.033	25.600
182	9.100	29.855	102.350	102.407	1.128	9.210	1.101	30.300
183	9.150	30.019	112.420	112.449	1.115	4.620	0.992	39.100
184	9.200	30.183	73.480	73.624	1.109	23.010	1.506	34.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	58.810	58.897	0.372	13.870	0.632	44.100
186	9.300	30.511	40.230	40.290	0.371	9.620	0.921	64.700
187	9.350	30.675	57.600	57.673	0.834	11.740	1.446	69.500
188	9.400	30.840	63.500	63.563	0.798	10.120	1.255	76.300
189	9.450	31.004	61.540	61.603	0.798	10.100	1.295	77.400
190	9.500	31.168	58.920	58.978	1.115	9.270	1.891	84.400
191	9.550	31.332	58.390	58.468	1.354	12.540	2.316	73.600
192	9.600	31.496	53.160	53.203	1.335	6.920	2.509	70.200
193	9.650	31.660	55.540	55.577	1.448	5.920	2.605	72.200
194	9.700	31.824	113.110	113.142	1.998	5.100	1.766	80.500
195	9.750	31.988	96.220	96.251	2.220	4.970	2.306	69.500
196	9.800	32.152	39.430	39.471	2.245	6.590	5.688	85.200
197	9.850	32.316	75.950	76.095	1.656	23.190	2.176	87.100
198	9.900	32.480	94.800	94.878	1.566	12.450	1.651	90.500
199	9.950	32.644	66.070	66.120	1.958	8.070	2.961	93.100
200	10.000	32.808	44.630	44.666	1.655	5.760	3.705	91.400
201	10.050	32.972	32.340	32.388	1.432	7.630	4.421	73.900
202	10.100	33.136	35.020	35.080	1.057	9.640	3.013	72.400
203	10.150	33.300	35.650	35.723	1.247	11.700	3.491	61.900
204	10.200	33.464	50.080	50.156	1.673	12.220	3.336	39.700
205	10.250	33.628	60.780	60.891	1.631	17.760	2.679	30.200
206	10.300	33.792	130.220	130.336	2.004	18.540	1.538	25.000
207	10.350	33.956	154.630	154.712	1.876	13.210	1.213	32.400
208	10.400	34.120	113.350	113.411	1.960	9.770	1.728	13.400
209	10.450	34.284	76.860	76.899	1.894	6.200	2.463	15.100
210	10.500	34.448	65.210	65.267	1.744	9.170	2.672	12.000
211	10.550	34.612	36.490	36.558	1.518	10.970	4.152	8.600
212	10.600	34.776	29.670	29.849	1.448	28.730	4.851	8.500
213	10.650	34.941	37.470	37.615	1.382	23.230	3.674	11.500
214	10.700	35.105	74.740	74.836	1.883	15.440	2.516	10.500
215	10.750	35.269	110.550	110.643	2.232	14.830	2.017	8.400
216	10.800	35.433	97.000	97.034	5.830	5.460	6.008	8.000
217	10.850	35.597	142.200	142.215	4.261	2.370	2.996	9.400
218	10.900	35.761	153.320	153.294	2.593	-4.240	1.692	14.300
219	10.950	35.925	104.080	104.182	2.409	16.320	2.312	9.800
220	11.000	36.089	112.200	112.264	2.108	10.260	1.878	13.400
221	11.050	36.253	52.730	52.981	2.186	40.130	4.126	17.500
222	11.100	36.417	53.090	53.738	1.712	103.780	3.186	14.000
223	11.150	36.581	48.280	48.651	1.398	59.450	2.874	19.500
224	11.200	36.745	39.670	39.900	1.281	36.840	3.211	23.100
225	11.250	36.909	33.650	33.858	1.168	33.280	3.450	24.500
226	11.300	37.073	78.950	79.127	0.873	28.340	1.103	31.400
227	11.350	37.237	90.830	90.995	1.258	26.410	1.382	31.000
228	11.400	37.401	68.290	68.420	1.341	20.850	1.960	36.200
229	11.450	37.565	218.590	218.844	1.447	40.670	0.661	43.400
230	11.500	37.729	295.760	295.846	1.424	13.770	0.481	44.100
231	11.550	37.893	303.200	303.248	1.663	7.660	0.548	51.000
232	11.600	38.057	331.620	331.664	2.715	7.080	0.819	54.400
233	11.650	38.221	343.360	343.406	4.740	7.320	1.380	75.400
234	11.700	38.385	280.850	280.889	5.976	6.240	2.128	67.100
235	11.750	38.549	207.280	207.326	5.832	7.400	2.813	60.500
236	11.800	38.713	129.240	129.280	5.346	6.430	4.135	57.800
237	11.850	38.877	90.010	90.047	3.548	5.980	3.940	36.600
238	11.900	39.042	86.340	86.386	3.037	7.320	3.516	30.400
239	11.950	39.206	76.160	76.206	3.097	7.370	4.064	24.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	184.950	185.011	3.435	9.780	1.857	20.100
241	12.050	39.534	205.460	205.550	3.490	14.430	1.698	19.600
242	12.100	39.698	166.660	166.744	2.797	13.490	1.677	13.800
243	12.150	39.862	126.130	126.166	2.428	5.840	1.924	0.000
244	12.200	40.026	35.360	35.354	1.095	-1.040	3.097	0.000
245	12.250	40.190	59.240	59.252	1.276	1.960	2.154	0.000
246	12.300	40.354	61.680	61.666	1.209	-2.220	1.961	0.000
247	12.350	40.518	222.290	222.309	0.972	3.040	0.437	0.000
248	12.400	40.682	140.440	140.490	2.502	8.010	1.781	0.000
249	12.450	40.846	171.600	171.653	2.765	8.480	1.611	0.000
250	12.500	41.010	169.390	169.441	2.535	8.090	1.496	0.000
251	12.550	41.174	124.770	124.875	2.712	16.860	2.172	0.000
252	12.600	41.338	80.090	80.197	3.716	17.070	4.634	0.000
253	12.650	41.502	100.530	100.624	2.906	15.070	2.888	0.000
254	12.700	41.666	139.060	139.152	2.132	14.690	1.532	0.000
255	12.750	41.830	136.460	136.562	1.839	16.280	1.347	0.000
256	12.800	41.994	108.370	108.456	1.267	13.730	1.168	0.000
257	12.850	42.158	55.760	55.833	0.000	11.620	0.000	0.000
258	12.900	42.322	71.970	72.147	0.000	28.360	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221496
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-1C-4
Cone ID:	406:T1500F15U500
Operator:	DC/YB
CPT Date:	Jan-30-2014
CPT Time:	08:38
CPT File:	13-53075_GP1C-4.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	N/A
Col 5 (Extra Module) Units	N/A
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722081.910
Northing / Lat:	4294240.960
Elevation:	148.050
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf
	m	ft	tsf	tsf	tsf	ft	%
1	0.050	0.164	6.840	6.839	0.000	-0.240	0.000
2	0.100	0.328	11.780	11.840	0.001	9.690	0.008
3	0.150	0.492	39.230	39.398	0.001	26.930	0.003
4	0.200	0.656	281.590	281.695	1.498	16.890	0.532
5	0.250	0.820	305.610	305.619	2.429	1.420	0.795
6	0.300	0.984	351.130	351.159	2.494	4.620	0.710
7	0.350	1.148	245.130	245.221	2.275	14.570	0.928
8	0.400	1.312	157.380	157.499	2.179	18.990	1.384
9	0.450	1.476	150.690	150.839	1.916	23.890	1.270
10	0.500	1.640	152.460	152.469	1.802	1.440	1.182
11	0.550	1.804	140.680	140.611	2.247	-11.050	1.598
12	0.600	1.968	144.930	144.911	2.115	-3.080	1.460
13	0.650	2.133	109.540	109.527	2.085	-2.020	1.904
14	0.700	2.297	105.470	105.469	2.369	-0.200	2.246
15	0.750	2.461	68.370	68.379	1.957	1.440	2.862
16	0.800	2.625	62.920	62.969	1.719	7.790	2.730
17	0.850	2.789	62.670	62.676	1.567	0.920	2.500
18	0.900	2.953	58.380	58.394	1.360	2.210	2.329
19	0.950	3.117	41.510	41.528	1.148	2.850	2.764

Layer	Depth	Depth	qc	qt	fs	u	Rf
	m	ft	tsf	tsf	tsf	ft	%
20	1.000	3.281	42.700	42.786	1.179	13.710	2.756
21	1.050	3.445	49.050	49.069	1.082	3.080	2.205
22	1.100	3.609	51.620	51.597	1.061	-3.620	2.056
23	1.150	3.773	51.230	51.192	1.038	-6.100	2.028
24	1.200	3.937	44.410	44.344	0.921	-10.500	2.077
25	1.250	4.101	38.660	38.582	0.824	-12.440	2.136
26	1.300	4.265	35.950	35.873	0.807	-12.380	2.250
27	1.350	4.429	32.300	32.231	0.780	-11.030	2.420
28	1.400	4.593	31.340	31.287	0.804	-8.530	2.570
29	1.450	4.757	44.160	44.138	0.717	-3.540	1.624
30	1.500	4.921	58.810	58.782	0.274	-4.460	0.466
31	1.550	5.085	93.500	93.498	1.160	-0.270	1.241
32	1.600	5.249	94.910	94.920	1.324	1.620	1.395
33	1.650	5.413	61.140	61.254	1.287	18.280	2.101
34	1.700	5.577	46.590	46.638	0.709	7.740	1.520
35	1.750	5.741	46.640	46.668	0.557	4.410	1.194
36	1.800	5.905	51.910	51.937	0.611	4.330	1.176
37	1.850	6.069	46.110	46.071	0.753	-6.250	1.634
38	1.900	6.234	55.320	55.321	0.677	0.220	1.224
39	1.950	6.398	70.640	70.638	0.646	-0.290	0.915
40	2.000	6.562	73.120	73.142	0.651	3.480	0.890
41	2.050	6.726	76.640	76.658	0.896	2.850	1.169
42	2.100	6.890	78.170	78.183	0.889	2.020	1.137
43	2.150	7.054	83.210	83.242	1.176	5.140	1.413
44	2.200	7.218	86.400	86.396	1.038	-0.570	1.201
45	2.250	7.382	77.630	77.633	1.553	0.440	2.000
46	2.300	7.546	72.560	72.565	1.067	0.770	1.470
47	2.350	7.710	111.670	111.673	1.023	0.510	0.916
48	2.400	7.874	126.050	126.053	1.290	0.500	1.023
49	2.450	8.038	101.900	101.920	1.427	3.220	1.400
50	2.500	8.202	39.230	39.234	1.088	0.690	2.773
51	2.550	8.366	42.810	42.869	0.824	9.480	1.922
52	2.600	8.530	37.920	38.122	0.684	32.400	1.794
53	2.650	8.694	27.640	27.686	0.712	7.430	2.572
54	2.700	8.858	29.440	29.497	0.469	9.210	1.590
55	2.750	9.022	24.530	24.562	0.251	5.120	1.022
56	2.800	9.186	28.460	28.505	0.277	7.250	0.972
57	2.850	9.350	27.640	27.640	0.182	-0.070	0.658
58	2.900	9.514	35.890	35.888	0.200	-0.300	0.557
59	2.950	9.678	41.020	41.031	0.182	1.750	0.444
60	3.000	9.842	35.760	35.816	0.339	8.930	0.947
61	3.050	10.006	21.460	21.508	0.320	7.740	1.488
62	3.100	10.170	18.520	18.529	0.356	1.520	1.921
63	3.150	10.335	23.880	23.945	0.468	10.380	1.954
64	3.200	10.499	22.860	22.917	0.441	9.150	1.924
65	3.250	10.663	6.540	6.555	0.333	2.400	5.080
66	3.300	10.827	4.350	4.389	0.178	6.300	4.055
67	3.350	10.991	9.580	9.655	0.177	11.940	1.833
68	3.400	11.155	15.220	15.246	0.200	4.180	1.312
69	3.450	11.319	11.810	11.810	0.253	-0.040	2.142
70	3.500	11.483	10.060	10.093	0.207	5.240	2.051
71	3.550	11.647	10.600	10.645	0.235	7.220	2.208
72	3.600	11.811	16.500	16.694	0.338	31.010	2.025
73	3.650	11.975	21.010	21.084	0.635	11.800	3.012
74	3.700	12.139	28.140	28.206	0.748	10.640	2.652

Layer	Depth	Depth	qc	qt	fs	u	Rf
	m	ft	tsf	tsf	tsf	ft	%
75	3.750	12.303	26.970	26.974	0.830	0.720	3.077
76	3.800	12.467	24.670	24.644	0.645	-4.140	2.617
77	3.850	12.631	21.160	21.109	0.581	-8.230	2.752
78	3.900	12.795	22.700	22.701	0.734	0.110	3.233
79	3.950	12.959	26.980	27.110	0.602	20.870	2.221
80	4.000	13.123	7.870	7.871	0.609	0.210	7.737
81	4.050	13.287	23.850	23.914	0.675	10.200	2.823
82	4.100	13.451	28.000	28.033	1.311	5.220	4.677
83	4.150	13.615	22.020	22.081	1.667	9.730	7.550
84	4.200	13.779	80.130	80.522	1.607	62.780	1.996
85	4.250	13.943	42.290	42.326	1.453	5.800	3.433
86	4.300	14.107	56.390	56.409	2.065	3.060	3.661
87	4.350	14.271	72.200	72.634	1.590	69.510	2.189
88	4.400	14.436	45.140	45.312	1.443	27.520	3.185
89	4.450	14.600	47.380	47.416	1.408	5.720	2.969
90	4.500	14.764	45.230	45.250	0.990	3.170	2.188
91	4.550	14.928	31.710	31.746	0.912	5.700	2.873
92	4.600	15.092	29.900	29.981	0.859	13.030	2.865
93	4.650	15.256	40.490	40.542	0.746	8.400	1.840
94	4.700	15.420	32.070	32.045	0.558	-4.000	1.741
95	4.750	15.584	32.440	32.418	0.639	-3.520	1.971
96	4.800	15.748	19.410	19.474	0.613	10.180	3.148
97	4.850	15.912	16.510	16.525	0.459	2.440	2.778
98	4.900	16.076	32.350	32.370	0.738	3.210	2.280
99	4.950	16.240	32.800	33.095	0.953	47.200	2.880
100	5.000	16.404	43.290	43.315	1.197	4.020	2.763
101	5.050	16.568	32.660	32.691	1.218	4.890	3.726
102	5.100	16.732	35.340	35.423	1.174	13.340	3.314
103	5.150	16.896	47.460	47.508	1.161	7.760	2.444
104	5.200	17.060	60.860	60.856	1.588	-0.710	2.609
105	5.250	17.224	61.260	61.308	1.734	7.720	2.828
106	5.300	17.388	41.630	41.712	1.714	13.060	4.109
107	5.350	17.552	64.410	64.460	2.050	7.970	3.180
108	5.400	17.716	51.390	51.401	2.101	1.700	4.087
109	5.450	17.880	77.220	77.256	1.966	5.790	2.545
110	5.500	18.044	117.520	117.579	1.210	9.460	1.029
111	5.550	18.208	107.000	107.060	0.729	9.670	0.681
112	5.600	18.372	74.800	74.865	0.666	10.410	0.890
113	5.650	18.537	44.050	44.110	0.502	9.650	1.138
114	5.700	18.701	21.150	21.154	0.431	0.650	2.037
115	5.750	18.865	24.000	24.007	0.485	1.100	2.020
116	5.800	19.029	24.730	24.772	0.423	6.680	1.708
117	5.850	19.193	26.280	26.380	0.411	15.980	1.558
118	5.900	19.357	23.210	23.236	0.386	4.130	1.661
119	5.950	19.521	20.990	21.056	0.404	10.590	1.919
120	6.000	19.685	20.560	20.642	0.492	13.140	2.383
121	6.050	19.849	18.610	18.688	0.645	12.530	3.451
122	6.100	20.013	25.700	25.751	0.592	8.200	2.299
123	6.150	20.177	34.070	34.109	0.530	6.320	1.554
124	6.200	20.341	15.600	15.656	0.414	8.900	2.644
125	6.250	20.505	29.920	29.920	0.598	-0.080	1.999
126	6.300	20.669	22.070	22.073	0.616	0.530	2.791
127	6.350	20.833	32.210	32.246	0.594	5.700	1.842
128	6.400	20.997	36.650	36.650	0.587	0.060	1.602
129	6.450	21.161	33.550	33.555	0.634	0.730	1.889

Layer	Depth	Depth	qc	qt	fs	u	Rf
	m	ft	tsf	tsf	tsf	ft	%
130	6.500	21.325	27.530	27.601	0.514	11.370	1.862
131	6.550	21.489	31.570	31.659	0.460	14.300	1.453
132	6.600	21.653	27.210	27.241	0.506	4.930	1.858
133	6.650	21.817	36.840	36.861	0.545	3.400	1.479
134	6.700	21.981	33.810	33.841	0.581	4.900	1.717
135	6.750	22.145	29.340	29.384	0.767	7.120	2.610
136	6.800	22.309	38.700	38.736	0.903	5.840	2.331
137	6.850	22.473	41.480	41.506	0.987	4.140	2.378
138	6.900	22.638	40.760	40.917	1.079	25.150	2.637
139	6.950	22.802	44.440	44.475	1.040	5.660	2.338
140	7.000	22.966	21.000	21.098	0.991	15.740	4.697
141	7.050	23.130	17.790	17.916	0.811	20.110	4.527
142	7.100	23.294	14.940	15.097	0.684	25.140	4.531
143	7.150	23.458	14.880	14.925	0.678	7.260	4.543
144	7.200	23.622	13.690	13.834	0.645	23.000	4.663
145	7.250	23.786	16.250	16.445	0.543	31.300	3.302
146	7.300	23.950	14.970	15.115	0.414	23.220	2.739
147	7.350	24.114	13.020	13.269	0.388	39.880	2.924
148	7.400	24.278	12.680	12.981	0.454	48.220	3.497
149	7.450	24.442	16.760	17.082	0.770	51.640	4.508
150	7.500	24.606	21.530	21.587	0.770	9.130	3.567
151	7.550	24.770	20.000	20.021	0.880	3.360	4.395
152	7.600	24.934	17.380	17.445	0.831	10.490	4.763
153	7.650	25.098	14.500	14.506	0.638	1.020	4.398
154	7.700	25.262	15.130	15.220	0.654	14.380	4.297
155	7.750	25.426	15.880	15.927	0.636	7.570	3.993
156	7.800	25.590	26.340	26.449	0.781	17.500	2.953
157	7.850	25.754	26.180	26.148	0.885	-5.140	3.385
158	7.900	25.918	29.160	29.154	0.963	-1.020	3.303
159	7.950	26.082	50.960	50.895	0.855	-10.450	1.680
160	8.000	26.246	65.860	65.907	1.000	7.590	1.517
161	8.050	26.410	55.170	55.230	0.804	9.560	1.456
162	8.100	26.574	24.410	24.390	0.766	-3.200	3.141
163	8.150	26.739	60.150	60.231	0.621	12.970	1.031
164	8.200	26.903	80.190	80.264	0.939	11.890	1.170
165	8.250	27.067	36.280	36.310	0.996	4.780	2.743
166	8.300	27.231	19.490	19.502	0.869	1.950	4.456
167	8.350	27.395	10.910	10.924	0.410	2.300	3.753
168	8.400	27.559	3.790	3.793	0.150	0.450	3.955
169	8.450	27.723	0.430	0.437	0.135	1.200	30.858
170	8.500	27.887	1.740	1.759	0.087	3.120	4.945
171	8.550	28.051	14.350	14.358	0.244	1.340	1.699
172	8.600	28.215	8.640	8.613	0.126	-4.360	1.463
173	8.650	28.379	14.050	14.045	0.380	-0.810	2.706
174	8.700	28.543	5.240	5.337	0.307	15.530	5.752
175	8.750	28.707	15.070	15.088	0.318	2.840	2.108
176	8.800	28.871	35.150	35.174	0.874	3.920	2.485
177	8.850	29.035	47.870	47.986	1.074	18.580	2.238
178	8.900	29.199	21.870	21.958	1.070	14.120	4.873
179	8.950	29.363	29.000	29.116	0.903	18.570	3.101
180	9.000	29.527	42.960	43.008	0.935	7.650	2.174
181	9.050	29.691	65.840	65.903	1.219	10.050	1.850
182	9.100	29.855	39.820	39.981	1.168	25.860	2.921
183	9.150	30.019	27.060	27.309	1.086	39.920	3.977
184	9.200	30.183	24.890	25.087	0.833	31.630	3.320

Layer	Depth	Depth	qc	qt	fs	u	Rf
	m	ft	tsf	tsf	tsf	ft	%
185	9.250	30.347	24.070	24.073	0.802	0.500	3.332
186	9.300	30.511	21.220	21.289	0.752	11.100	3.532
187	9.350	30.675	15.410	15.452	0.838	6.730	5.423
188	9.400	30.840	15.500	15.507	0.702	1.140	4.527
189	9.450	31.004	13.630	13.656	0.538	4.160	3.940
190	9.500	31.168	12.630	12.704	0.324	11.790	2.550
191	9.550	31.332	14.420	14.414	0.351	-1.030	2.435
192	9.600	31.496	39.350	39.466	0.717	18.590	1.817
193	9.650	31.660	53.190	53.348	0.936	25.310	1.755
194	9.700	31.824	21.450	21.537	1.086	14.000	5.042
195	9.750	31.988	19.870	20.073	0.802	32.560	3.995
196	9.800	32.152	22.690	22.962	0.657	43.640	2.861
197	9.850	32.316	55.230	55.780	0.827	88.150	1.483
198	9.900	32.480	72.260	72.341	1.009	12.980	1.395
199	9.950	32.644	58.220	58.287	1.094	10.780	1.877
200	10.000	32.808	46.470	46.504	1.297	5.370	2.789
201	10.050	32.972	59.830	59.877	1.312	7.570	2.191
202	10.100	33.136	68.900	69.120	1.595	35.250	2.308
203	10.150	33.300	69.080	69.223	1.435	22.900	2.073
204	10.200	33.464	47.970	48.019	1.314	7.840	2.736
205	10.250	33.628	45.210	45.232	1.161	3.580	2.567
206	10.300	33.792	29.680	29.659	0.959	-3.310	3.233
207	10.350	33.956	21.390	21.446	0.925	8.900	4.313
208	10.400	34.120	30.770	30.824	1.031	8.580	3.345
209	10.450	34.284	47.980	48.047	1.188	10.690	2.473
210	10.500	34.448	87.420	87.443	2.083	3.610	2.382
211	10.550	34.612	76.310	76.383	2.174	11.620	2.846
212	10.600	34.776	35.670	35.757	1.876	13.900	5.247
213	10.650	34.941	31.660	32.328	1.205	106.940	3.727
214	10.700	35.105	30.070	30.448	1.139	60.480	3.741
215	10.750	35.269	32.310	32.639	1.074	52.740	3.291
216	10.800	35.433	46.930	47.239	1.270	49.470	2.688
217	10.850	35.597	66.770	66.785	1.485	2.430	2.224
218	10.900	35.761	45.110	45.069	1.520	-6.620	3.373
219	10.950	35.925	34.060	34.066	1.309	0.980	3.843
220	11.000	36.089	31.160	31.220	1.066	9.650	3.414
221	11.050	36.253	34.620	34.652	1.019	5.090	2.941
222	11.100	36.417	36.490	36.476	1.094	-2.260	2.999
223	11.150	36.581	35.950	35.984	1.400	5.460	3.891
224	11.200	36.745	37.690	37.745	1.446	8.840	3.831
225	11.250	36.909	65.790	65.813	1.714	3.720	2.604
226	11.300	37.073	43.380	43.406	1.643	4.130	3.785
227	11.350	37.237	27.570	27.665	1.321	15.160	4.775
228	11.400	37.401	30.530	30.646	1.276	18.530	4.164
229	11.450	37.565	30.260	30.346	1.335	13.770	4.399
230	11.500	37.729	36.550	36.678	1.259	20.560	3.433
231	11.550	37.893	50.300	50.491	1.507	30.660	2.985
232	11.600	38.057	55.090	55.172	1.578	13.060	2.860
233	11.650	38.221	41.740	41.791	1.954	8.240	4.676
234	11.700	38.385	32.810	32.856	1.654	7.410	5.034
235	11.750	38.549	52.710	52.976	1.836	42.570	3.466
236	11.800	38.713	89.450	89.520	1.064	11.220	1.189
237	11.850	38.877	78.090	78.144	1.623	8.590	2.077
238	11.900	39.042	56.960	56.962	2.190	0.390	3.845
239	11.950	39.206	65.760	65.833	3.154	11.660	4.791

Layer	Depth	Depth	qc	qt	fs	u	Rf
	m	ft	tsf	tsf	tsf	ft	%
240	12.000	39.370	81.800	81.916	2.591	18.550	3.163
241	12.050	39.534	71.420	71.583	2.589	26.080	3.617
242	12.100	39.698	68.290	68.336	2.038	7.380	2.982
243	12.150	39.862	64.620	64.654	1.996	5.390	3.087
244	12.200	40.026	34.970	35.004	1.737	5.440	4.962
245	12.250	40.190	32.650	32.877	1.619	36.360	4.924
246	12.300	40.354	39.770	39.962	1.538	30.780	3.849
247	12.350	40.518	62.370	62.536	1.685	26.600	2.694
248	12.400	40.682	48.500	48.663	1.599	26.080	3.286
249	12.450	40.846	15.920	15.977	1.036	9.080	6.484
250	12.500	41.010	10.940	11.024	1.127	13.390	10.224
251	12.550	41.174	69.550	69.548	1.974	-0.330	2.838
252	12.600	41.338	89.110	89.827	2.933	114.870	3.265
253	12.650	41.502	104.370	106.095	3.407	276.260	3.211
254	12.700	41.666	87.310	88.123	3.199	130.250	3.630
255	12.750	41.830	69.500	71.313	2.168	290.470	3.040
256	12.800	41.994	26.180	26.361	1.549	28.930	5.876
257	12.850	42.158	35.160	35.204	0.956	7.060	2.716
258	12.900	42.322	44.760	44.769	1.135	1.380	2.535
259	12.950	42.486	30.550	30.591	1.601	6.540	5.234
260	13.000	42.650	46.360	46.405	1.516	7.270	3.267
261	13.050	42.814	27.280	27.367	1.357	13.900	4.959
262	13.100	42.978	23.260	23.306	1.415	7.400	6.071
263	13.150	43.143	28.860	28.936	1.165	12.180	4.026
264	13.200	43.307	95.370	95.538	1.790	26.900	1.874
265	13.250	43.471	129.630	129.786	2.189	24.980	1.687
266	13.300	43.635	100.870	100.906	2.769	5.720	2.744
267	13.350	43.799	96.730	96.768	2.371	6.030	2.450
268	13.400	43.963	54.950	54.955	2.473	0.740	4.500
269	13.450	44.127	56.480	56.485	1.866	0.850	3.304
270	13.500	44.291	59.510	59.530	2.183	3.270	3.667
271	13.550	44.455	68.240	68.247	1.419	1.190	2.079
272	13.600	44.619	48.340	48.278	1.570	-9.860	3.252
273	13.650	44.783	50.760	50.841	1.768	12.940	3.478
274	13.700	44.947	59.250	59.284	2.222	5.430	3.748
275	13.750	45.111	58.950	58.958	2.484	1.280	4.213
276	13.800	45.275	64.120	64.145	2.445	3.980	3.812
277	13.850	45.439	56.160	56.175	1.636	2.330	2.912
278	13.900	45.603	64.890	64.892	2.510	0.330	3.868
279	13.950	45.767	58.670	58.662	2.505	-1.330	4.270
280	14.000	45.931	35.300	35.298	2.087	-0.330	5.913
281	14.050	46.095	34.300	34.292	0.642	-1.250	1.872
282	14.100	46.259	23.870	23.853	0.468	-2.700	1.962
283	14.150	46.423	23.690	23.680	0.589	-1.670	2.487
284	14.200	46.587	25.920	25.917	0.744	-0.510	2.871
285	14.250	46.751	23.190	23.200	0.786	1.570	3.388
286	14.300	46.915	26.680	26.742	1.107	9.880	4.140
287	14.350	47.079	58.830	58.899	1.835	11.090	3.115
288	14.400	47.244	56.950	57.009	2.005	9.530	3.517
289	14.450	47.408	47.340	47.482	2.509	22.800	5.284
290	14.500	47.572	89.440	89.677	2.903	37.910	3.237
291	14.550	47.736	79.330	79.478	2.746	23.630	3.455
292	14.600	47.900	39.530	39.671	2.348	22.660	5.919
293	14.650	48.064	24.140	24.213	1.279	11.690	5.282
294	14.700	48.228	24.770	24.830	1.258	9.610	5.066

Layer	Depth	Depth	qc	qt	fs	u	Rf
	m	ft	tsf	tsf	tsf	ft	%
295	14.750	48.392	54.590	54.673	1.226	13.290	2.242
296	14.800	48.556	49.700	49.805	1.600	16.840	3.213
297	14.850	48.720	96.310	96.334	1.611	3.850	1.672
298	14.900	48.884	31.480	31.612	1.821	21.080	5.761
299	14.950	49.048	43.410	43.420	1.577	1.590	3.632
300	15.000	49.212	34.850	34.851	1.629	0.230	4.674
301	15.050	49.376	27.140	27.133	1.427	-1.110	5.259
302	15.100	49.540	18.180	18.216	1.004	5.770	5.512
303	15.150	49.704	20.480	20.568	0.662	14.170	3.219
304	15.200	49.868	32.370	32.478	0.537	17.310	1.653
305	15.250	50.032	33.670	33.852	0.842	29.120	2.487
306	15.300	50.196	36.130	36.287	1.137	25.120	3.133
307	15.350	50.360	37.210	37.454	1.238	39.120	3.305
308	15.400	50.524	50.230	50.566	1.502	53.790	2.970
309	15.450	50.688	56.300	56.393	1.864	14.840	3.305
310	15.500	50.852	44.980	45.224	1.543	39.060	3.412
311	15.550	51.016	69.500	69.909	2.093	65.490	2.994
312	15.600	51.180	79.150	79.261	1.718	17.860	2.168
313	15.650	51.345	79.620	79.730	2.226	17.550	2.792
314	15.700	51.509	114.240	114.253	3.248	2.160	2.843
315	15.750	51.673	115.240	115.286	3.938	7.420	3.416
316	15.800	51.837	95.410	95.502	3.869	14.710	4.051
317	15.850	52.001	60.580	60.699	3.272	19.100	5.391
318	15.900	52.165	57.700	57.810	2.573	17.680	4.451
319	15.950	52.329	46.140	46.408	1.890	42.850	4.073
320	16.000	52.493	35.080	35.222	1.429	22.790	4.057
321	16.050	52.657	31.480	31.713	1.423	37.380	4.487
322	16.100	52.821	31.940	32.281	1.443	54.550	4.470
323	16.150	52.985	83.120	84.102	2.156	157.330	2.564
324	16.200	53.149	93.030	93.101	2.896	11.310	3.111
325	16.250	53.313	77.580	77.623	3.101	6.850	3.995
326	16.300	53.477	48.370	48.454	2.380	13.390	4.912
327	16.350	53.641	71.760	71.839	1.862	12.630	2.592
328	16.400	53.805	88.390	88.495	2.424	16.840	2.739
329	16.450	53.969	94.320	94.506	2.574	29.740	2.724
330	16.500	54.133	89.590	90.190	2.977	96.150	3.301
331	16.550	54.297	72.940	73.074	2.415	21.450	3.305
332	16.600	54.461	96.200	96.230	2.252	4.780	2.340
333	16.650	54.625	108.200	108.222	2.912	3.540	2.691
334	16.700	54.789	143.130	143.926	3.156	127.430	2.193
335	16.750	54.953	184.580	184.618	3.020	6.030	1.636
336	16.800	55.117	215.860	215.940	2.556	12.870	1.184
337	16.850	55.281	181.510	181.581	2.558	11.300	1.409
338	16.900	55.446	134.350	134.409	2.488	9.410	1.851
339	16.950	55.610	108.280	108.336	2.125	8.960	1.961
340	17.000	55.774	80.750	80.806	2.292	8.950	2.836
341	17.050	55.938	66.780	66.830	2.033	8.070	3.042
342	17.100	56.102	104.150	104.237	3.159	13.870	3.031
343	17.150	56.266	123.710	123.824	3.787	18.210	3.058
344	17.200	56.430	111.090	111.342	4.053	40.350	3.640
345	17.250	56.594	165.510	165.736	4.021	36.220	2.426
346	17.300	56.758	97.230	97.789	3.871	89.610	3.959
347	17.350	56.922	92.150	92.625	3.103	76.060	3.350
348	17.400	57.086	88.240	88.333	2.364	14.890	2.676
349	17.450	57.250	77.310	77.380	1.747	11.280	2.258

Layer	Depth	Depth	qc	qt	fs	u	Rf
	m	ft	tsf	tsf	tsf	ft	%
350	17.500	57.414	98.870	98.960	1.114	14.390	1.126
351	17.550	57.578	169.870	170.004	0.000	21.530	0.000
352	17.600	57.742	225.520	225.594	0.000	11.830	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221497
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-1C-4R
Cone ID:	410:T1500F15U500
Operator:	DC/YB
CPT Date:	Feb-06-2014
CPT Time:	11:04
CPT File:	13-53075_GP1C-4R.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722082.534
Northing / Lat:	4294241.655
Elevation:	148.022
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
1	0.050	0.164	1.100	1.103	0.001	0.410	0.091	26.300
2	0.100	0.328	1.820	1.819	0.008	-0.210	0.440	30.500
3	0.150	0.492	1.130	1.133	0.002	0.420	0.177	35.200
4	0.200	0.656	1.350	1.418	0.001	10.850	0.071	43.500
5	0.250	0.820	3.670	3.749	0.002	12.630	0.053	35.600
6	0.300	0.984	1.350	1.358	0.002	1.300	0.147	53.900
7	0.350	1.148	2.600	2.598	0.003	-0.260	0.115	71.400
8	0.400	1.312	2.520	2.567	0.172	7.480	6.701	84.300
9	0.450	1.476	4.450	4.482	0.273	5.190	6.090	89.100
10	0.500	1.640	8.990	8.993	0.211	0.460	2.346	89.400
11	0.550	1.804	7.870	7.867	0.181	-0.500	2.301	90.700
12	0.600	1.968	8.300	8.308	0.072	1.350	0.867	73.000
13	0.650	2.133	3.270	3.269	0.063	-0.240	1.927	77.500
14	0.700	2.297	4.590	4.594	0.091	0.580	1.981	73.300
15	0.750	2.461	1.510	1.514	0.090	0.640	5.945	65.700
16	0.800	2.625	3.940	3.973	0.016	5.360	0.403	60.000
17	0.850	2.789	2.430	2.431	0.015	0.240	0.617	60.100
18	0.900	2.953	2.880	2.884	0.045	0.680	1.560	76.300
19	0.950	3.117	9.250	9.315	0.132	10.350	1.417	86.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	8.260	8.287	0.329	4.330	3.970	86.500
21	1.050	3.445	10.900	11.012	0.452	17.900	4.105	90.700
22	1.100	3.609	12.120	12.208	0.508	14.060	4.161	105.100
23	1.150	3.773	12.050	12.153	0.497	16.430	4.090	97.600
24	1.200	3.937	12.710	12.792	0.409	13.110	3.197	99.200
25	1.250	4.101	8.290	8.313	0.377	3.650	4.535	84.500
26	1.300	4.265	9.500	9.607	0.295	17.110	3.071	105.100
27	1.350	4.429	15.630	15.951	0.309	51.440	1.937	93.100
28	1.400	4.593	31.730	32.022	0.446	46.750	1.393	88.500
29	1.450	4.757	45.500	45.900	0.678	64.050	1.477	96.500
30	1.500	4.921	46.310	46.572	0.543	41.890	1.166	97.600
31	1.550	5.085	68.670	68.819	0.719	23.830	1.045	72.700
32	1.600	5.249	59.210	59.503	0.965	46.950	1.622	87.000
33	1.650	5.413	27.350	27.462	0.971	17.970	3.536	84.400
34	1.700	5.577	24.450	24.642	0.769	30.710	3.121	80.800
35	1.750	5.741	52.270	52.313	0.804	6.880	1.537	85.000
36	1.800	5.905	83.960	84.041	0.841	12.950	1.001	84.600
37	1.850	6.069	88.390	88.416	1.081	4.240	1.223	82.500
38	1.900	6.234	93.350	93.346	1.057	-0.620	1.132	82.600
39	1.950	6.398	112.170	112.187	1.123	2.730	1.001	72.600
40	2.000	6.562	121.800	121.804	1.105	0.650	0.907	87.400
41	2.050	6.726	117.660	117.663	1.206	0.410	1.025	77.900
42	2.100	6.890	113.010	113.006	1.263	-0.590	1.118	73.300
43	2.150	7.054	96.770	96.769	1.299	-0.090	1.342	65.600
44	2.200	7.218	82.680	82.675	1.073	-0.760	1.298	62.300
45	2.250	7.382	61.440	61.438	1.089	-0.400	1.773	40.100
46	2.300	7.546	40.790	40.784	0.977	-0.970	2.396	32.100
47	2.350	7.710	33.440	33.454	0.742	2.210	2.218	23.100
48	2.400	7.874	45.810	45.883	0.797	11.760	1.737	24.500
49	2.450	8.038	37.480	37.536	0.843	8.930	2.246	20.200
50	2.500	8.202	21.840	21.864	0.697	3.810	3.188	21.400
51	2.550	8.366	31.780	31.783	0.603	0.520	1.897	20.000
52	2.600	8.530	10.790	10.844	0.424	8.620	3.910	14.900
53	2.650	8.694	11.090	11.122	0.277	5.200	2.490	12.800
54	2.700	8.858	7.520	7.540	0.171	3.210	2.268	24.300
55	2.750	9.022	2.960	2.983	0.133	3.630	4.459	19.000
56	2.800	9.186	5.990	5.978	0.391	-1.910	6.541	20.500
57	2.850	9.350	36.510	36.588	0.660	12.500	1.804	23.100
58	2.900	9.514	33.460	33.822	0.916	57.960	2.708	22.400
59	2.950	9.678	20.950	21.004	0.958	8.600	4.561	20.600
60	3.000	9.842	21.910	22.168	0.801	41.370	3.613	22.300
61	3.050	10.006	21.570	21.783	0.687	34.040	3.154	30.100
62	3.100	10.170	25.300	25.373	0.611	11.620	2.408	28.400
63	3.150	10.335	19.770	19.840	0.575	11.280	2.898	25.800
64	3.200	10.499	24.270	24.365	0.506	15.270	2.077	23.600
65	3.250	10.663	23.180	23.179	0.457	-0.120	1.972	23.100
66	3.300	10.827	16.840	16.926	0.518	13.800	3.060	20.400
67	3.350	10.991	29.120	29.106	0.487	-2.230	1.673	30.600
68	3.400	11.155	30.260	30.226	0.541	-5.410	1.790	21.700
69	3.450	11.319	29.380	29.366	0.531	-2.300	1.808	24.000
70	3.500	11.483	27.890	27.857	0.540	-5.350	1.938	25.700
71	3.550	11.647	29.560	29.532	0.434	-4.480	1.470	25.800
72	3.600	11.811	28.910	28.875	0.328	-5.530	1.136	20.500
73	3.650	11.975	25.750	25.717	0.372	-5.230	1.446	28.200
74	3.700	12.139	26.280	26.299	0.576	2.990	2.190	28.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	25.100	25.116	0.609	2.490	2.425	37.900
76	3.800	12.467	15.080	15.149	0.549	10.980	3.624	49.100
77	3.850	12.631	10.460	10.682	0.366	35.530	3.426	50.200
78	3.900	12.795	11.280	11.566	0.348	45.760	3.009	45.900
79	3.950	12.959	19.390	19.712	0.657	51.570	3.333	46.300
80	4.000	13.123	30.550	30.965	0.962	66.420	3.107	31.000
81	4.050	13.287	28.850	29.008	0.986	25.350	3.399	39.800
82	4.100	13.451	32.970	32.995	0.929	4.020	2.816	38.700
83	4.150	13.615	69.870	69.907	1.280	5.990	1.831	47.300
84	4.200	13.779	54.200	54.233	1.157	5.350	2.133	52.400
85	4.250	13.943	25.250	25.290	1.165	6.460	4.607	40.600
86	4.300	14.107	37.180	37.235	0.942	8.860	2.530	53.200
87	4.350	14.271	40.210	40.236	0.716	4.140	1.780	71.900
88	4.400	14.436	19.210	19.340	0.987	20.900	5.103	80.100
89	4.450	14.600	34.040	34.158	0.679	18.940	1.988	73.000
90	4.500	14.764	24.770	24.870	0.683	16.020	2.746	89.500
91	4.550	14.928	25.590	25.698	0.940	17.280	3.658	77.500
92	4.600	15.092	44.820	45.105	0.975	45.700	2.162	83.000
93	4.650	15.256	40.700	40.880	0.985	28.840	2.409	73.500
94	4.700	15.420	57.300	57.486	1.458	29.740	2.536	70.600
95	4.750	15.584	54.290	54.305	1.483	2.380	2.731	69.700
96	4.800	15.748	36.660	36.683	1.363	3.750	3.716	91.600
97	4.850	15.912	36.670	36.723	1.268	8.560	3.453	75.500
98	4.900	16.076	32.550	32.584	1.280	5.510	3.928	88.200
99	4.950	16.240	63.730	63.819	1.317	14.210	2.064	77.400
100	5.000	16.404	48.960	49.000	1.991	6.390	4.063	60.900
101	5.050	16.568	46.330	46.352	2.286	3.510	4.932	56.800
102	5.100	16.732	83.490	83.499	1.714	1.420	2.053	37.300
103	5.150	16.896	61.260	61.250	2.124	-1.650	3.468	27.800
104	5.200	17.060	94.240	94.258	2.157	2.930	2.288	29.700
105	5.250	17.224	73.210	73.241	2.151	4.980	2.937	33.600
106	5.300	17.388	58.870	59.001	1.832	21.030	3.105	34.500
107	5.350	17.552	28.210	28.418	1.384	33.370	4.870	38.000
108	5.400	17.716	35.000	35.135	1.010	21.690	2.875	38.300
109	5.450	17.880	36.220	36.316	1.164	15.340	3.205	37.700
110	5.500	18.044	58.250	58.332	1.093	13.120	1.874	69.500
111	5.550	18.208	46.640	46.680	1.051	6.410	2.251	55.600
112	5.600	18.372	35.070	35.072	0.714	0.280	2.036	73.300
113	5.650	18.537	28.810	28.962	0.694	24.270	2.396	73.800
114	5.700	18.701	21.230	21.626	0.708	63.510	3.274	64.700
115	5.750	18.865	30.640	30.922	0.791	45.170	2.558	82.300
116	5.800	19.029	29.890	30.151	0.810	41.800	2.686	77.700
117	5.850	19.193	28.780	29.153	1.068	59.810	3.663	67.800
118	5.900	19.357	60.250	60.694	0.767	71.060	1.264	47.100
119	5.950	19.521	141.900	141.927	2.760	4.320	1.945	34.300
120	6.000	19.685	165.820	165.843	3.564	3.720	2.149	32.000
121	6.050	19.849	106.110	106.074	2.404	-5.800	2.266	26.700
122	6.100	20.013	16.980	16.985	1.542	0.860	9.078	30.400
123	6.150	20.177	42.840	42.935	0.927	15.160	2.159	23.200
124	6.200	20.341	71.210	71.303	0.882	14.910	1.237	24.700
125	6.250	20.505	74.230	74.293	0.811	10.160	1.092	20.900
126	6.300	20.669	74.600	74.698	0.722	15.760	0.967	20.900
127	6.350	20.833	119.830	119.877	0.640	7.580	0.534	29.400
128	6.400	20.997	167.040	167.097	0.473	9.080	0.283	42.000
129	6.450	21.161	189.620	189.637	0.410	2.780	0.216	41.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	181.470	181.510	0.903	6.420	0.497	54.900
131	6.550	21.489	144.580	144.599	1.554	2.990	1.075	76.400
132	6.600	21.653	97.860	98.013	1.772	24.520	1.808	84.800
133	6.650	21.817	78.440	78.573	1.697	21.270	2.160	104.000
134	6.700	21.981	74.100	74.223	1.476	19.720	1.989	93.800
135	6.750	22.145	64.280	64.348	1.419	10.950	2.205	103.500
136	6.800	22.309	56.170	56.223	1.497	8.450	2.663	97.600
137	6.850	22.473	44.850	44.895	1.460	7.170	3.252	112.200
138	6.900	22.638	41.270	41.323	1.408	8.560	3.407	98.500
139	6.950	22.802	36.860	36.921	1.300	9.840	3.521	98.400
140	7.000	22.966	29.770	29.836	1.036	10.590	3.472	98.500
141	7.050	23.130	26.620	26.700	1.010	12.880	3.783	95.500
142	7.100	23.294	25.580	25.658	0.727	12.560	2.833	92.400
143	7.150	23.458	54.140	54.261	0.639	19.390	1.178	85.400
144	7.200	23.622	59.710	59.788	0.723	12.570	1.209	82.900
145	7.250	23.786	62.310	62.373	0.668	10.130	1.071	79.300
146	7.300	23.950	62.570	62.617	0.417	7.560	0.666	85.500
147	7.350	24.114	25.710	25.749	0.283	6.290	1.099	92.600
148	7.400	24.278	23.390	23.412	0.272	3.520	1.162	94.400
149	7.450	24.442	15.480	15.501	0.304	3.400	1.961	89.300
150	7.500	24.606	16.190	16.229	0.298	6.300	1.836	83.900
151	7.550	24.770	20.790	20.868	0.276	12.440	1.323	93.700
152	7.600	24.934	18.480	18.571	0.450	14.570	2.423	74.800
153	7.650	25.098	20.590	20.718	0.707	20.430	3.413	88.800
154	7.700	25.262	27.530	27.688	0.937	25.270	3.384	95.600
155	7.750	25.426	26.000	26.070	1.004	11.160	3.851	73.800
156	7.800	25.590	25.080	25.156	0.996	12.250	3.959	74.100
157	7.850	25.754	33.990	34.053	0.842	10.020	2.473	70.800
158	7.900	25.918	58.220	58.290	1.745	11.290	2.994	60.200
159	7.950	26.082	53.540	53.576	2.025	5.710	3.780	44.500
160	8.000	26.246	111.510	111.462	1.888	-7.660	1.694	35.400
161	8.050	26.410	87.240	87.181	1.980	-9.490	2.271	33.800
162	8.100	26.574	77.490	77.528	1.388	6.130	1.790	33.000
163	8.150	26.739	130.600	130.619	2.474	3.100	1.894	29.500
164	8.200	26.903	133.160	133.180	3.493	3.170	2.623	19.800
165	8.250	27.067	84.950	84.951	3.219	0.100	3.789	24.200
166	8.300	27.231	36.900	37.060	2.140	25.670	5.774	31.200
167	8.350	27.395	19.670	19.773	1.059	16.530	5.356	23.000
168	8.400	27.559	26.030	26.181	0.486	24.190	1.856	19.100
169	8.450	27.723	26.530	26.693	0.420	26.150	1.573	19.300
170	8.500	27.887	28.000	28.122	0.442	19.610	1.572	25.200
171	8.550	28.051	26.380	26.412	0.403	5.070	1.526	23.800
172	8.600	28.215	50.560	50.590	0.627	4.790	1.239	27.200
173	8.650	28.379	65.340	65.389	1.088	7.900	1.664	35.100
174	8.700	28.543	41.220	41.258	1.288	6.090	3.122	34.900
175	8.750	28.707	21.380	21.490	1.135	17.550	5.282	59.600
176	8.800	28.871	19.390	19.917	1.006	84.380	5.051	65.500
177	8.850	29.035	27.680	27.822	0.985	22.730	3.540	58.500
178	8.900	29.199	63.000	63.084	1.451	13.520	2.300	57.700
179	8.950	29.363	56.450	56.515	1.694	10.430	2.997	56.600
180	9.000	29.527	46.220	46.314	1.688	14.990	3.645	67.800
181	9.050	29.691	41.540	41.623	1.270	13.330	3.051	83.900
182	9.100	29.855	35.590	35.789	1.219	31.820	3.406	81.700
183	9.150	30.019	35.010	35.334	1.233	51.960	3.490	75.000
184	9.200	30.183	30.840	31.148	1.261	49.320	4.048	60.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	24.030	24.224	1.010	31.080	4.169	53.000
186	9.300	30.511	30.840	30.822	0.975	-2.840	3.163	50.200
187	9.350	30.675	42.850	43.065	1.299	34.390	3.016	43.900
188	9.400	30.840	81.650	81.804	2.074	24.610	2.535	43.200
189	9.450	31.004	77.790	77.899	3.022	17.500	3.879	40.700
190	9.500	31.168	69.170	69.335	3.159	26.420	4.556	58.200
191	9.550	31.332	54.370	54.491	2.636	19.400	4.837	55.500
192	9.600	31.496	56.180	56.413	1.788	37.280	3.169	74.000
193	9.650	31.660	50.250	50.393	1.408	22.950	2.794	79.800
194	9.700	31.824	41.510	41.677	1.303	26.780	3.126	76.100
195	9.750	31.988	27.620	27.761	1.123	22.530	4.045	70.900
196	9.800	32.152	22.800	22.994	0.907	31.140	3.944	64.500
197	9.850	32.316	20.000	20.199	0.819	31.880	4.055	75.600
198	9.900	32.480	24.000	24.173	0.770	27.680	3.185	58.500
199	9.950	32.644	58.500	58.593	1.363	14.920	2.326	62.200
200	10.000	32.808	88.850	88.895	1.588	7.200	1.786	57.400
201	10.050	32.972	35.240	35.260	1.848	3.130	5.241	46.600
202	10.100	33.136	35.610	35.656	1.282	7.440	3.595	60.800
203	10.150	33.300	26.160	26.193	0.734	5.300	2.802	52.100
204	10.200	33.464	10.470	10.528	0.667	9.230	6.336	38.700
205	10.250	33.628	34.970	35.004	0.414	5.440	1.183	38.800
206	10.300	33.792	34.620	34.677	0.480	9.130	1.384	52.100
207	10.350	33.956	21.070	21.137	0.380	10.770	1.798	53.300
208	10.400	34.120	26.710	26.773	0.723	10.100	2.700	48.700
209	10.450	34.284	48.260	48.305	0.758	7.160	1.569	59.300
210	10.500	34.448	27.820	27.937	1.012	18.730	3.622	62.600
211	10.550	34.612	60.660	60.748	1.016	14.130	1.672	58.000
212	10.600	34.776	85.360	85.405	1.344	7.200	1.574	51.300
213	10.650	34.941	64.150	64.157	1.864	1.200	2.905	60.100
214	10.700	35.105	55.590	55.625	1.972	5.640	3.545	44.400
215	10.750	35.269	48.000	48.040	1.624	6.480	3.380	31.200
216	10.800	35.433	54.580	54.692	1.585	17.930	2.898	30.800
217	10.850	35.597	57.050	57.128	1.567	12.520	2.743	23.500
218	10.900	35.761	57.530	57.607	1.747	12.260	3.033	26.700
219	10.950	35.925	51.650	51.757	1.539	17.120	2.974	36.000
220	11.000	36.089	38.150	38.278	1.599	20.540	4.177	38.100
221	11.050	36.253	57.020	57.100	1.603	12.790	2.807	32.500
222	11.100	36.417	46.100	46.151	1.269	8.200	2.750	39.800
223	11.150	36.581	61.670	61.700	1.101	4.800	1.784	52.400
224	11.200	36.745	69.880	69.892	0.904	1.920	1.293	60.000
225	11.250	36.909	72.620	72.645	1.760	3.930	2.423	59.700
226	11.300	37.073	86.920	86.935	2.574	2.460	2.961	68.600
227	11.350	37.237	81.400	81.467	2.869	10.810	3.522	65.900
228	11.400	37.401	78.050	78.141	3.168	14.520	4.054	64.200
229	11.450	37.565	69.540	69.609	2.226	11.080	3.198	61.700
230	11.500	37.729	54.120	54.134	1.376	2.200	2.542	50.700
231	11.550	37.893	60.050	60.057	0.719	1.060	1.197	44.900
232	11.600	38.057	47.410	47.422	0.812	1.870	1.712	41.300
233	11.650	38.221	55.900	55.905	1.329	0.740	2.377	30.700
234	11.700	38.385	35.930	35.968	1.686	6.070	4.688	34.800
235	11.750	38.549	46.300	46.368	1.584	10.920	3.416	33.400
236	11.800	38.713	37.000	37.225	1.304	36.000	3.503	20.200
237	11.850	38.877	31.120	31.313	1.507	30.990	4.813	25.200
238	11.900	39.042	38.670	38.823	1.578	24.490	4.065	23.100
239	11.950	39.206	62.100	62.181	1.737	12.980	2.793	22.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	57.190	57.278	1.590	14.110	2.776	20.600
241	12.050	39.534	46.360	46.424	2.274	10.180	4.898	27.800
242	12.100	39.698	113.780	113.819	2.130	6.200	1.871	28.800
243	12.150	39.862	95.870	95.954	1.975	13.470	2.058	21.800
244	12.200	40.026	70.250	70.331	0.995	12.940	1.415	30.400
245	12.250	40.190	117.100	117.072	2.333	-4.470	1.993	34.700
246	12.300	40.354	139.480	139.570	2.706	14.380	1.939	27.500
247	12.350	40.518	71.420	71.402	3.070	-2.920	4.300	42.900
248	12.400	40.682	53.210	53.402	2.766	30.740	5.180	38.300
249	12.450	40.846	41.760	41.936	1.541	28.250	3.675	46.900
250	12.500	41.010	30.580	30.644	1.162	10.190	3.792	58.100
251	12.550	41.174	31.090	31.157	1.037	10.700	3.328	54.200
252	12.600	41.338	31.850	31.944	1.056	15.020	3.306	55.200
253	12.650	41.502	32.680	32.783	1.113	16.560	3.395	70.100
254	12.700	41.666	48.840	48.811	1.158	-4.640	2.372	60.600
255	12.750	41.830	40.290	40.288	1.567	-0.300	3.889	69.100
256	12.800	41.994	36.050	36.055	0.999	0.760	2.771	65.400
257	12.850	42.158	41.860	41.866	1.215	0.930	2.902	62.000
258	12.900	42.322	42.060	42.044	1.121	-2.570	2.666	71.800
259	12.950	42.486	29.450	29.432	1.356	-2.890	4.607	75.200
260	13.000	42.650	38.170	38.160	1.712	-1.540	4.486	90.300
261	13.050	42.814	42.600	42.600	2.082	0.040	4.887	95.400
262	13.100	42.978	69.390	69.401	2.012	1.840	2.899	129.500
263	13.150	43.143	64.670	64.722	2.771	8.250	4.281	154.100
264	13.200	43.307	111.400	111.446	3.072	7.400	2.756	200.000
265	13.250	43.471	51.920	51.995	2.857	12.090	5.495	263.700
266	13.300	43.635	47.920	47.986	2.606	10.640	5.431	354.500
267	13.350	43.799	35.350	35.411	1.763	9.790	4.979	377.300
268	13.400	43.963	46.250	46.223	1.280	-4.380	2.769	286.800
269	13.450	44.127	69.250	69.232	0.708	-2.840	1.023	172.500
270	13.500	44.291	75.100	75.077	1.527	-3.750	2.034	132.000
271	13.550	44.455	75.450	75.420	1.924	-4.740	2.551	99.600
272	13.600	44.619	42.430	42.390	1.807	-6.460	4.263	83.200
273	13.650	44.783	26.910	26.887	1.606	-3.620	5.973	81.400
274	13.700	44.947	44.320	44.315	1.611	-0.740	3.635	67.200
275	13.750	45.111	41.510	41.504	1.095	-0.970	2.638	49.000
276	13.800	45.275	54.150	54.149	0.963	-0.160	1.778	56.700
277	13.850	45.439	51.000	50.996	0.489	-0.570	0.959	44.800
278	13.900	45.603	49.910	49.905	0.305	-0.810	0.611	41.100
279	13.950	45.767	43.940	43.937	0.280	-0.490	0.637	55.900
280	14.000	45.931	39.610	39.610	0.297	0.030	0.750	38.400
281	14.050	46.095	28.140	28.160	0.422	3.170	1.499	40.400
282	14.100	46.259	32.130	32.155	0.553	4.070	1.720	32.300
283	14.150	46.423	44.650	44.674	0.890	3.870	1.992	37.400
284	14.200	46.587	44.470	44.494	1.085	3.830	2.439	26.700
285	14.250	46.751	32.720	32.754	1.028	5.370	3.139	33.300
286	14.300	46.915	30.830	30.881	1.033	8.210	3.345	26.600
287	14.350	47.079	39.090	39.113	0.962	3.620	2.460	39.300
288	14.400	47.244	28.510	28.534	0.913	3.880	3.200	23.400
289	14.450	47.408	24.210	24.233	0.893	3.750	3.685	35.200
290	14.500	47.572	16.800	16.824	0.709	3.920	4.214	31.800
291	14.550	47.736	18.020	18.063	0.534	6.850	2.956	35.200
292	14.600	47.900	37.200	37.225	0.642	4.040	1.725	27.700
293	14.650	48.064	56.770	56.795	1.123	3.980	1.977	36.100
294	14.700	48.228	59.820	59.852	1.337	5.130	2.234	40.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	68.960	69.012	1.638	8.280	2.374	48.800
296	14.800	48.556	70.490	70.531	1.778	6.610	2.521	47.100
297	14.850	48.720	58.850	58.876	1.945	4.130	3.304	50.900
298	14.900	48.884	48.770	48.786	1.812	2.550	3.714	36.000
299	14.950	49.048	39.070	39.077	1.391	1.060	3.560	36.400
300	15.000	49.212	43.330	43.333	1.399	0.430	3.229	25.600
301	15.050	49.376	59.310	59.312	1.115	0.380	1.880	40.200
302	15.100	49.540	17.710	17.657	1.171	-8.480	6.632	37.700
303	15.150	49.704	23.410	23.466	0.899	8.900	3.831	56.300
304	15.200	49.868	19.660	19.700	0.698	6.380	3.543	40.900
305	15.250	50.032	24.720	24.765	0.638	7.250	2.576	45.800
306	15.300	50.196	37.250	37.296	0.989	7.420	2.652	47.800
307	15.350	50.360	25.510	25.567	0.831	9.100	3.250	52.300
308	15.400	50.524	20.110	20.254	1.001	23.100	4.942	38.000
309	15.450	50.688	31.070	31.307	1.121	38.030	3.581	47.400
310	15.500	50.852	40.580	40.599	1.341	3.010	3.303	35.700
311	15.550	51.016	48.090	48.066	1.660	-3.870	3.454	27.000
312	15.600	51.180	43.700	43.711	1.876	1.770	4.292	23.900
313	15.650	51.345	41.560	41.585	1.873	3.990	4.504	18.900
314	15.700	51.509	63.350	63.370	1.427	3.170	2.252	16.300
315	15.750	51.673	28.620	28.627	1.583	1.110	5.530	16.800
316	15.800	51.837	44.140	44.114	1.161	-4.190	2.632	0.000
317	15.850	52.001	50.170	50.176	1.081	0.930	2.154	0.000
318	15.900	52.165	59.220	59.216	1.440	-0.630	2.432	0.000
319	15.950	52.329	45.150	45.165	1.452	2.340	3.215	0.000
320	16.000	52.493	40.270	40.312	1.490	6.680	3.696	0.000
321	16.050	52.657	29.610	29.672	1.143	9.970	3.852	0.000
322	16.100	52.821	25.830	25.938	1.525	17.370	5.879	0.000
323	16.150	52.985	62.220	62.382	2.275	26.020	3.647	0.000
324	16.200	53.149	68.270	68.436	2.860	26.650	4.179	0.000
325	16.250	53.313	97.950	98.041	3.033	14.540	3.094	0.000
326	16.300	53.477	124.650	124.724	2.902	11.880	2.327	0.000
327	16.350	53.641	71.450	71.374	2.801	-12.130	3.924	0.000
328	16.400	53.805	37.530	37.522	2.175	-1.260	5.797	0.000
329	16.450	53.969	57.980	58.018	1.888	6.060	3.254	0.000
330	16.500	54.133	88.440	88.490	0.000	8.030	0.000	0.000
331	16.550	54.297	209.900	209.971	0.000	11.430	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221499
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-1C-5
Cone ID:	406:T1500F15U500
Operator:	DC/YB
CPT Date:	Jan-29-2014
CPT Time:	13:49
CPT File:	13-53075_GP1C-5.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722185.684
Northing / Lat:	4294290.673
Elevation:	145.884
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	69.270	69.359	0.566	14.310	0.816	0.000
2	0.100	0.328	336.010	335.995	1.473	-2.360	0.438	0.000
3	0.150	0.492	430.540	430.993	0.000	72.640	0.000	0.000
4	0.200	0.656	598.560	598.715	0.000	24.780	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221501
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-1C-5A
Cone ID:	406:T1500F15U500
Operator:	DC/YB
CPT Date:	Jan-29-2014
CPT Time:	14:09
CPT File:	13-53075_GP1C-5A.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722185.782
Northing / Lat:	4294290.791
Elevation:	145.884
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	0.990	0.994	0.019	0.700	1.911	32.800
2	0.100	0.328	2.490	2.486	0.001	-0.670	0.040	32.000
3	0.150	0.492	2.200	2.204	0.006	0.640	0.272	36.100
4	0.200	0.656	2.500	2.504	0.200	0.600	7.988	38.400
5	0.250	0.820	3.200	3.203	0.346	0.530	10.801	41.600
6	0.300	0.984	6.950	6.953	0.452	0.480	6.501	40.100
7	0.350	1.148	11.840	11.844	0.379	0.680	3.200	46.300
8	0.400	1.312	13.930	13.934	0.795	0.720	5.705	46.000
9	0.450	1.476	11.320	11.326	0.206	0.950	1.819	32.500
10	0.500	1.640	11.620	11.622	0.273	0.270	2.349	38.200
11	0.550	1.804	11.560	11.572	0.135	1.920	1.167	38.300
12	0.600	1.968	21.730	21.781	0.100	8.120	0.459	53.400
13	0.650	2.133	5.990	6.002	0.287	1.920	4.782	52.800
14	0.700	2.297	7.000	7.005	0.068	0.860	0.971	63.200
15	0.750	2.461	6.120	6.132	0.127	1.950	2.071	74.500
16	0.800	2.625	8.940	8.952	0.282	1.880	3.150	87.000
17	0.850	2.789	8.960	8.993	0.394	5.350	4.381	93.500
18	0.900	2.953	12.100	12.247	0.363	23.470	2.964	95.000
19	0.950	3.117	10.340	10.656	0.272	50.620	2.553	96.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	7.000	7.551	0.155	88.300	2.053	101.500
21	1.050	3.445	6.810	7.450	0.102	102.500	1.369	94.900
22	1.100	3.609	7.180	7.770	0.170	94.560	2.188	98.600
23	1.150	3.773	8.770	9.622	0.147	136.500	1.528	93.200
24	1.200	3.937	13.620	14.746	0.418	180.300	2.835	98.000
25	1.250	4.101	43.950	44.813	0.975	138.290	2.176	90.000
26	1.300	4.265	96.360	96.685	1.495	52.040	1.546	82.900
27	1.350	4.429	70.580	70.695	1.810	18.420	2.560	97.400
28	1.400	4.593	66.920	67.043	1.393	19.740	2.078	80.000
29	1.450	4.757	57.970	58.014	0.923	7.030	1.591	85.800
30	1.500	4.921	42.140	42.154	0.872	2.320	2.069	82.500
31	1.550	5.085	28.670	28.644	0.865	-4.190	3.020	79.100
32	1.600	5.249	23.100	23.081	0.778	-2.990	3.371	96.800
33	1.650	5.413	21.240	21.222	0.646	-2.900	3.044	89.000
34	1.700	5.577	18.110	18.074	0.571	-5.720	3.159	77.900
35	1.750	5.741	14.750	14.675	0.363	-12.050	2.474	68.300
36	1.800	5.905	15.640	15.552	0.411	-14.070	2.643	45.400
37	1.850	6.069	28.020	28.035	0.463	2.360	1.652	45.800
38	1.900	6.234	12.760	12.760	0.387	0.000	3.033	42.400
39	1.950	6.398	7.540	7.547	0.430	1.080	5.698	49.600
40	2.000	6.562	15.220	15.216	0.365	-0.690	2.399	53.000
41	2.050	6.726	17.480	17.498	0.482	2.910	2.755	59.000
42	2.100	6.890	10.730	10.815	0.463	13.650	4.281	65.300
43	2.150	7.054	18.800	18.810	0.555	1.620	2.951	72.600
44	2.200	7.218	24.810	24.808	0.547	-0.290	2.205	76.200
45	2.250	7.382	22.900	22.842	0.528	-9.310	2.312	59.600
46	2.300	7.546	19.050	18.975	0.551	-11.970	2.904	44.200
47	2.350	7.710	20.730	20.759	0.564	4.660	2.717	43.400
48	2.400	7.874	32.160	32.160	0.380	0.080	1.182	51.600
49	2.450	8.038	16.090	16.114	0.660	3.850	4.096	52.000
50	2.500	8.202	39.730	39.750	0.723	3.150	1.819	41.700
51	2.550	8.366	36.240	36.257	0.993	2.690	2.739	54.000
52	2.600	8.530	12.940	12.970	0.728	4.880	5.613	53.300
53	2.650	8.694	37.680	37.781	2.311	16.180	6.117	58.800
54	2.700	8.858	117.620	117.603	1.827	-2.800	1.554	55.600
55	2.750	9.022	79.050	79.057	2.088	1.190	2.641	54.500
56	2.800	9.186	43.020	43.044	1.364	3.790	3.169	53.100
57	2.850	9.350	15.640	15.709	0.944	11.120	6.009	49.300
58	2.900	9.514	20.070	20.332	0.698	42.020	3.433	59.000
59	2.950	9.678	26.930	26.971	0.655	6.540	2.429	80.300
60	3.000	9.842	26.200	26.283	0.788	13.330	2.998	76.700
61	3.050	10.006	27.380	27.477	0.842	15.460	3.064	95.500
62	3.100	10.170	38.540	38.668	0.953	20.570	2.465	86.500
63	3.150	10.335	41.700	41.738	1.111	6.080	2.662	92.000
64	3.200	10.499	34.320	34.316	1.222	-0.620	3.561	64.500
65	3.250	10.663	43.330	43.422	1.101	14.670	2.536	73.200
66	3.300	10.827	38.800	38.736	0.905	-10.180	2.336	69.900
67	3.350	10.991	30.020	30.033	0.887	2.100	2.953	53.900
68	3.400	11.155	30.300	30.335	0.767	5.530	2.528	38.300
69	3.450	11.319	40.500	40.588	0.938	14.090	2.311	28.200
70	3.500	11.483	46.640	46.716	1.204	12.200	2.577	32.700
71	3.550	11.647	42.330	42.326	1.170	-0.710	2.764	27.400
72	3.600	11.811	25.240	25.236	0.901	-0.590	3.570	28.800
73	3.650	11.975	29.640	29.658	0.606	2.820	2.043	18.100
74	3.700	12.139	23.760	23.797	0.380	5.890	1.597	22.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	35.830	35.821	0.397	-1.500	1.108	22.900
76	3.800	12.467	9.320	9.353	0.398	5.360	4.255	28.200
77	3.850	12.631	11.740	11.752	0.433	1.980	3.684	31.800
78	3.900	12.795	30.920	30.984	0.821	10.250	2.650	36.500
79	3.950	12.959	29.050	29.093	0.863	6.830	2.966	52.100
80	4.000	13.123	25.170	25.502	0.898	53.260	3.521	49.700
81	4.050	13.287	20.460	20.491	0.598	5.010	2.918	66.600
82	4.100	13.451	13.200	13.360	0.579	25.580	4.334	76.500
83	4.150	13.615	12.760	12.883	0.466	19.680	3.617	100.100
84	4.200	13.779	11.350	11.525	0.434	28.030	3.766	95.100
85	4.250	13.943	10.970	11.067	0.386	15.520	3.488	94.800
86	4.300	14.107	11.880	12.044	0.417	26.330	3.462	89.300
87	4.350	14.271	12.270	12.353	0.427	13.310	3.457	98.800
88	4.400	14.436	12.050	12.118	0.483	10.890	3.986	107.000
89	4.450	14.600	13.390	13.550	0.436	25.590	3.218	92.000
90	4.500	14.764	22.500	22.676	0.566	28.230	2.496	92.800
91	4.550	14.928	41.230	41.279	0.734	7.880	1.778	96.100
92	4.600	15.092	40.740	40.815	0.831	12.060	2.036	108.600
93	4.650	15.256	47.150	47.359	1.007	33.420	2.126	95.500
94	4.700	15.420	48.970	49.016	0.930	7.420	1.897	86.200
95	4.750	15.584	37.080	37.065	0.737	-2.430	1.988	89.000
96	4.800	15.748	22.530	22.479	0.501	-8.240	2.229	86.300
97	4.850	15.912	14.470	14.418	0.307	-8.290	2.129	73.700
98	4.900	16.076	10.310	10.276	0.187	-5.480	1.820	69.200
99	4.950	16.240	5.820	5.830	0.154	1.540	2.642	54.600
100	5.000	16.404	4.800	4.814	0.192	2.190	3.989	45.800
101	5.050	16.568	8.270	8.307	0.169	5.930	2.034	43.300
102	5.100	16.732	15.190	15.219	0.230	4.660	1.511	45.900
103	5.150	16.896	9.070	9.087	0.256	2.690	2.817	43.600
104	5.200	17.060	9.790	9.794	0.280	0.610	2.859	40.500
105	5.250	17.224	5.370	5.413	0.282	6.850	5.210	52.200
106	5.300	17.388	13.780	13.954	0.339	27.940	2.429	62.000
107	5.350	17.552	12.080	12.124	0.513	7.030	4.231	59.500
108	5.400	17.716	38.900	38.869	0.510	-4.980	1.312	65.200
109	5.450	17.880	30.020	30.133	0.619	18.170	2.054	60.100
110	5.500	18.044	33.110	33.250	0.833	22.450	2.505	62.000
111	5.550	18.208	43.510	43.580	1.100	11.290	2.524	56.400
112	5.600	18.372	46.250	46.313	1.169	10.130	2.524	44.700
113	5.650	18.537	54.960	54.987	1.202	4.360	2.186	29.200
114	5.700	18.701	51.940	51.976	1.111	5.820	2.138	19.400
115	5.750	18.865	21.300	21.286	1.207	-2.170	5.670	19.000
116	5.800	19.029	22.810	22.927	0.910	18.680	3.969	15.900
117	5.850	19.193	42.790	42.828	0.928	6.010	2.167	16.400
118	5.900	19.357	46.510	46.588	1.347	12.570	2.891	15.600
119	5.950	19.521	83.260	83.283	1.767	3.620	2.122	12.000
120	6.000	19.685	85.340	85.359	1.928	2.980	2.259	11.600
121	6.050	19.849	57.070	57.143	1.959	11.620	3.428	16.500
122	6.100	20.013	27.980	27.995	1.146	2.410	4.094	19.300
123	6.150	20.177	25.170	25.222	0.796	8.250	3.156	14.900
124	6.200	20.341	30.060	30.065	0.758	0.770	2.521	14.800
125	6.250	20.505	26.670	26.749	0.945	12.690	3.533	16.200
126	6.300	20.669	39.830	39.851	1.069	3.320	2.683	18.600
127	6.350	20.833	31.350	31.313	0.890	-5.940	2.842	28.300
128	6.400	20.997	13.710	13.721	0.896	1.730	6.530	31.300
129	6.450	21.161	31.890	31.971	0.649	12.940	2.030	42.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	16.760	16.776	0.749	2.570	4.465	54.200
131	6.550	21.489	21.150	21.187	0.670	5.920	3.162	38.300
132	6.600	21.653	23.960	24.032	0.563	11.460	2.343	48.500
133	6.650	21.817	34.080	34.093	0.618	2.130	1.813	40.300
134	6.700	21.981	38.390	38.442	0.704	8.250	1.831	35.200
135	6.750	22.145	30.190	30.208	0.651	2.850	2.155	34.600
136	6.800	22.309	23.460	23.482	0.797	3.530	3.394	28.800
137	6.850	22.473	19.330	19.334	0.850	0.570	4.397	19.100
138	6.900	22.638	38.960	38.949	1.463	-1.800	3.756	22.300
139	6.950	22.802	65.290	65.293	1.542	0.530	2.362	12.900
140	7.000	22.966	49.160	49.161	1.322	0.110	2.689	16.600
141	7.050	23.130	107.340	107.376	1.123	5.710	1.046	13.200
142	7.100	23.294	98.120	98.159	1.200	6.290	1.223	14.300
143	7.150	23.458	86.170	86.171	0.976	0.160	1.133	14.400
144	7.200	23.622	48.230	48.253	1.328	3.620	2.752	11.500
145	7.250	23.786	25.330	25.342	0.951	1.970	3.753	15.000
146	7.300	23.950	34.880	34.973	0.947	14.840	2.708	10.100
147	7.350	24.114	23.050	23.035	0.689	-2.340	2.991	15.800
148	7.400	24.278	23.500	23.507	0.562	1.110	2.391	12.500
149	7.450	24.442	25.600	25.658	0.257	9.340	1.002	14.000
150	7.500	24.606	13.050	13.082	0.237	5.130	1.812	12.200
151	7.550	24.770	14.790	14.830	0.542	6.400	3.655	19.400
152	7.600	24.934	21.340	21.363	0.878	3.760	4.110	20.100
153	7.650	25.098	64.700	64.763	1.185	10.140	1.830	24.700
154	7.700	25.262	129.740	129.752	3.344	1.930	2.577	35.700
155	7.750	25.426	132.480	132.572	3.999	14.780	3.016	36.800
156	7.800	25.590	129.160	129.712	3.708	88.350	2.859	56.800
157	7.850	25.754	84.110	84.608	2.225	79.800	2.630	62.000
158	7.900	25.918	95.240	95.264	1.511	3.820	1.586	66.400
159	7.950	26.082	89.170	89.179	1.020	1.440	1.144	63.700
160	8.000	26.246	43.500	43.486	1.540	-2.240	3.541	63.800
161	8.050	26.410	22.370	22.377	1.247	1.170	5.573	48.800
162	8.100	26.574	70.200	70.236	1.411	5.700	2.009	45.700
163	8.150	26.739	55.940	55.972	1.480	5.170	2.644	50.300
164	8.200	26.903	54.030	54.141	1.771	17.720	3.271	58.100
165	8.250	27.067	48.400	48.408	1.511	1.230	3.121	77.200
166	8.300	27.231	42.880	42.889	1.229	1.520	2.866	70.200
167	8.350	27.395	39.610	39.625	1.063	2.420	2.683	66.100
168	8.400	27.559	42.950	43.028	1.144	12.480	2.659	79.800
169	8.450	27.723	63.260	63.323	2.084	10.140	3.291	69.500
170	8.500	27.887	70.950	71.013	1.848	10.100	2.602	77.400
171	8.550	28.051	113.040	113.100	1.486	9.590	1.314	72.900
172	8.600	28.215	86.250	86.232	1.393	-2.870	1.615	76.000
173	8.650	28.379	73.770	73.772	1.842	0.320	2.497	83.800
174	8.700	28.543	83.750	83.766	1.677	2.600	2.002	76.500
175	8.750	28.707	51.730	51.754	1.493	3.810	2.885	66.800
176	8.800	28.871	40.350	40.356	2.680	0.900	6.641	59.100
177	8.850	29.035	38.230	38.238	1.277	1.310	3.340	59.100
178	8.900	29.199	47.930	47.944	0.778	2.210	1.623	47.600
179	8.950	29.363	59.010	59.017	0.463	1.090	0.785	51.600
180	9.000	29.527	63.240	63.247	0.698	1.090	1.104	45.300
181	9.050	29.691	55.990	55.985	0.395	-0.730	0.706	46.700
182	9.100	29.855	55.670	55.669	0.617	-0.090	1.108	48.000
183	9.150	30.019	25.610	25.612	0.449	0.290	1.753	44.500
184	9.200	30.183	21.400	21.404	0.616	0.600	2.878	46.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	41.030	41.206	0.987	28.250	2.395	48.200
186	9.300	30.511	29.450	29.454	1.016	0.670	3.449	67.300
187	9.350	30.675	22.470	22.486	0.821	2.520	3.651	71.100
188	9.400	30.840	18.990	18.997	0.632	1.060	3.327	81.500
189	9.450	31.004	20.280	20.318	0.827	6.040	4.070	97.600
190	9.500	31.168	27.630	27.637	1.101	1.140	3.984	89.600
191	9.550	31.332	25.780	25.689	1.066	-14.650	4.150	76.100
192	9.600	31.496	28.580	28.477	1.060	-16.550	3.722	76.200
193	9.650	31.660	19.150	19.037	0.734	-18.130	3.856	47.600
194	9.700	31.824	15.190	15.077	0.398	-18.160	2.640	53.000
195	9.750	31.988	27.870	27.867	0.699	-0.480	2.508	48.300
196	9.800	32.152	20.210	20.233	0.677	3.650	3.346	51.700
197	9.850	32.316	20.280	20.297	0.787	2.720	3.877	47.900
198	9.900	32.480	19.820	19.818	0.584	-0.360	2.947	52.700
199	9.950	32.644	17.170	17.187	0.767	2.790	4.463	56.500
200	10.000	32.808	30.610	30.589	0.940	-3.310	3.073	54.900
201	10.050	32.972	22.340	22.347	1.106	1.080	4.949	49.400
202	10.100	33.136	18.940	18.930	1.034	-1.560	5.462	41.000
203	10.150	33.300	26.190	26.181	0.873	-1.430	3.334	35.300
204	10.200	33.464	36.460	36.450	1.148	-1.570	3.150	26.800
205	10.250	33.628	34.300	34.295	1.425	-0.850	4.155	31.500
206	10.300	33.792	42.410	42.418	1.557	1.300	3.671	16.300
207	10.350	33.956	24.110	24.130	1.398	3.130	5.794	20.000
208	10.400	34.120	29.230	29.246	1.270	2.590	4.342	15.800
209	10.450	34.284	28.290	28.312	0.911	3.480	3.218	23.400
210	10.500	34.448	32.860	32.901	0.790	6.510	2.401	17.000
211	10.550	34.612	56.630	56.641	0.656	1.750	1.158	20.800
212	10.600	34.776	49.280	49.316	0.891	5.770	1.807	23.700
213	10.650	34.941	28.970	28.990	1.155	3.150	3.984	27.000
214	10.700	35.105	25.500	25.523	0.985	3.680	3.859	21.700
215	10.750	35.269	23.740	23.756	0.716	2.620	3.014	29.900
216	10.800	35.433	23.990	23.994	0.735	0.640	3.063	42.800
217	10.850	35.597	33.130	33.158	0.701	4.410	2.114	35.800
218	10.900	35.761	29.410	29.407	0.700	-0.550	2.380	42.500
219	10.950	35.925	33.650	33.660	0.545	1.670	1.619	45.000
220	11.000	36.089	36.070	36.078	0.478	1.290	1.325	38.200
221	11.050	36.253	31.220	31.217	0.747	-0.440	2.393	29.100
222	11.100	36.417	29.690	29.694	1.167	0.620	3.930	31.700
223	11.150	36.581	19.350	19.359	0.930	1.520	4.804	24.700
224	11.200	36.745	46.200	46.212	0.641	2.000	1.387	23.700
225	11.250	36.909	50.910	50.941	0.540	4.890	1.060	26.300
226	11.300	37.073	20.290	20.279	0.857	-1.690	4.226	25.900
227	11.350	37.237	28.580	28.614	0.971	5.390	3.393	32.300
228	11.400	37.401	41.820	41.820	0.876	-0.040	2.095	35.800
229	11.450	37.565	37.900	37.925	0.998	3.970	2.632	24.700
230	11.500	37.729	35.200	35.207	0.986	1.140	2.801	22.000
231	11.550	37.893	41.110	41.134	1.333	3.780	3.241	23.900
232	11.600	38.057	23.030	23.062	1.203	5.160	5.216	27.200
233	11.650	38.221	31.510	31.550	0.957	6.390	3.033	38.600
234	11.700	38.385	23.650	23.703	0.787	8.450	3.320	46.200
235	11.750	38.549	24.390	24.408	0.515	2.950	2.110	43.700
236	11.800	38.713	40.510	40.537	0.494	4.330	1.219	41.100
237	11.850	38.877	43.680	43.708	0.319	4.480	0.730	35.000
238	11.900	39.042	47.640	47.664	0.490	3.910	1.028	31.300
239	11.950	39.206	54.190	54.206	0.639	2.550	1.179	23.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	49.770	49.837	0.479	10.660	0.961	24.400
241	12.050	39.534	76.420	76.500	1.042	12.830	1.362	24.800
242	12.100	39.698	93.360	93.573	0.974	34.040	1.041	21.300
243	12.150	39.862	17.050	17.066	1.196	2.630	7.008	15.800
244	12.200	40.026	43.030	43.077	1.241	7.510	2.881	19.600
245	12.250	40.190	40.240	40.300	1.645	9.590	4.082	22.600
246	12.300	40.354	22.050	22.120	1.457	11.220	6.587	32.200
247	12.350	40.518	26.290	26.364	1.074	11.920	4.074	40.200
248	12.400	40.682	30.000	30.052	0.773	8.250	2.572	46.100
249	12.450	40.846	11.160	11.220	0.635	9.630	5.659	58.700
250	12.500	41.010	14.550	14.578	0.737	4.470	5.056	58.800
251	12.550	41.174	23.260	23.390	1.045	20.750	4.468	65.300
252	12.600	41.338	27.300	27.286	1.213	-2.190	4.445	52.600
253	12.650	41.502	67.080	67.059	1.456	-3.390	2.171	53.600
254	12.700	41.666	61.070	61.097	1.744	4.300	2.854	34.100
255	12.750	41.830	58.990	59.021	2.335	5.020	3.956	29.400
256	12.800	41.994	61.130	61.163	2.566	5.320	4.195	28.400
257	12.850	42.158	91.320	91.356	2.588	5.750	2.833	16.400
258	12.900	42.322	89.100	89.331	1.846	37.080	2.066	18.400
259	12.950	42.486	69.530	69.660	1.126	20.750	1.616	20.200
260	13.000	42.650	58.450	58.465	1.281	2.340	2.191	17.800
261	13.050	42.814	41.930	42.002	1.041	11.580	2.478	22.000
262	13.100	42.978	18.200	18.378	1.149	28.440	6.252	20.600
263	13.150	43.143	29.990	30.360	1.571	59.230	5.175	23.500
264	13.200	43.307	91.680	91.918	3.304	38.050	3.595	26.400
265	13.250	43.471	72.800	72.774	4.227	-4.200	5.808	35.800
266	13.300	43.635	67.430	67.449	2.864	3.070	4.246	37.100
267	13.350	43.799	57.380	57.451	0.919	11.380	1.600	48.500
268	13.400	43.963	69.630	70.018	0.765	62.120	1.093	56.700
269	13.450	44.127	81.330	81.383	0.833	8.500	1.024	63.600
270	13.500	44.291	75.190	75.286	0.686	15.380	0.911	55.100
271	13.550	44.455	51.360	51.420	0.675	9.630	1.313	55.000
272	13.600	44.619	57.060	57.112	0.641	8.360	1.122	67.100
273	13.650	44.783	66.860	66.899	0.640	6.200	0.957	60.700
274	13.700	44.947	49.010	49.036	0.705	4.220	1.438	56.000
275	13.750	45.111	38.460	38.494	1.198	5.410	3.112	42.500
276	13.800	45.275	38.920	38.992	1.330	11.600	3.411	35.000
277	13.850	45.439	54.690	54.775	1.662	13.690	3.034	27.300
278	13.900	45.603	29.060	29.441	1.762	61.030	5.985	18.900
279	13.950	45.767	35.530	35.708	1.525	28.570	4.271	19.100
280	14.000	45.931	39.690	39.737	1.264	7.520	3.181	16.600
281	14.050	46.095	36.270	36.354	1.203	13.390	3.309	16.000
282	14.100	46.259	40.600	40.680	1.437	12.740	3.532	13.400
283	14.150	46.423	67.510	67.513	1.513	0.470	2.241	11.000
284	14.200	46.587	47.680	47.988	1.446	49.290	3.013	9.500
285	14.250	46.751	41.300	41.364	1.411	10.240	3.411	15.900
286	14.300	46.915	45.680	45.711	1.254	4.990	2.743	15.800
287	14.350	47.079	59.830	59.920	1.337	14.460	2.231	14.000
288	14.400	47.244	62.410	62.496	1.621	13.770	2.594	11.600
289	14.450	47.408	49.400	49.464	1.370	10.190	2.770	13.100
290	14.500	47.572	54.850	54.985	1.075	21.550	1.955	22.500
291	14.550	47.736	29.340	29.495	1.098	24.750	3.723	19.900
292	14.600	47.900	25.540	25.606	0.976	10.510	3.812	19.000
293	14.650	48.064	43.070	43.098	0.638	4.510	1.480	16.000
294	14.700	48.228	70.650	70.770	0.498	19.290	0.704	11.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	51.010	51.094	1.095	13.380	2.143	16.700
296	14.800	48.556	16.950	16.995	1.418	7.280	8.343	13.100
297	14.850	48.720	28.200	28.453	1.772	40.470	6.228	13.100
298	14.900	48.884	43.900	44.214	1.792	50.280	4.053	14.200
299	14.950	49.048	25.240	25.748	1.727	81.390	6.707	15.800
300	15.000	49.212	22.990	23.762	1.599	123.650	6.729	21.500
301	15.050	49.376	23.350	23.787	1.388	69.960	5.835	16.600
302	15.100	49.540	20.100	20.133	1.125	5.270	5.588	18.500
303	15.150	49.704	18.070	18.349	1.036	44.770	5.646	22.400
304	15.200	49.868	19.880	20.007	0.964	20.360	4.818	12.400
305	15.250	50.032	29.250	29.813	1.397	90.190	4.686	17.100
306	15.300	50.196	27.770	28.245	1.469	76.140	5.201	28.200
307	15.350	50.360	29.450	30.596	1.714	183.610	5.602	29.900
308	15.400	50.524	39.550	39.755	1.922	32.820	4.835	39.900
309	15.450	50.688	67.740	67.813	2.323	11.670	3.426	32.600
310	15.500	50.852	49.330	49.345	1.816	2.360	3.680	49.200
311	15.550	51.016	19.460	19.841	1.256	61.060	6.330	63.300
312	15.600	51.180	16.220	16.358	0.865	22.070	5.288	0.000
313	15.650	51.345	16.730	16.803	0.877	11.680	5.219	0.000
314	15.700	51.509	15.360	15.449	0.781	14.280	5.055	0.000
315	15.750	51.673	22.860	23.180	0.656	51.270	2.830	0.000
316	15.800	51.837	29.250	29.272	0.581	3.580	1.985	0.000
317	15.850	52.001	29.180	29.259	0.628	12.650	2.146	0.000
318	15.900	52.165	26.370	26.431	0.657	9.800	2.486	0.000
319	15.950	52.329	29.520	29.596	0.702	12.220	2.372	0.000
320	16.000	52.493	32.630	32.682	0.661	8.370	2.023	0.000
321	16.050	52.657	34.210	34.272	0.726	9.960	2.118	0.000
322	16.100	52.821	44.910	44.971	0.728	9.830	1.619	0.000
323	16.150	52.985	88.910	89.007	0.792	15.570	0.890	0.000
324	16.200	53.149	136.810	136.883	0.984	11.760	0.719	0.000
325	16.250	53.313	182.790	182.891	1.305	16.200	0.714	0.000
326	16.300	53.477	244.840	244.968	0.000	20.450	0.000	0.000
327	16.350	53.641	306.580	306.692	0.000	17.990	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221502
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-1C-6
Cone ID:	410:T1500F15U500
Operator:	DC/YB
CPT Date:	Feb-07-2014
CPT Time:	11:02
CPT File:	13-53075_GP1C-6.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722042.231
Northing / Lat:	4294196.828
Elevation:	142.790
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	16.130	16.179	0.004	7.770	0.025	34.900
2	0.100	0.328	74.310	74.337	0.006	4.340	0.008	44.800
3	0.150	0.492	159.620	159.868	0.294	39.770	0.184	49.800
4	0.200	0.656	119.070	119.382	0.620	49.970	0.519	69.900
5	0.250	0.820	61.210	61.369	0.508	25.510	0.828	74.200
6	0.300	0.984	38.720	38.898	0.350	28.470	0.900	66.800
7	0.350	1.148	31.000	31.081	0.298	13.010	0.959	91.300
8	0.400	1.312	30.880	30.941	0.257	9.780	0.831	86.800
9	0.450	1.476	28.820	28.883	0.077	10.050	0.267	91.100
10	0.500	1.640	25.850	25.869	0.117	3.000	0.452	86.700
11	0.550	1.804	22.100	22.099	0.174	-0.120	0.787	79.200
12	0.600	1.968	18.490	18.514	0.281	3.910	1.518	82.700
13	0.650	2.133	12.450	12.485	0.361	5.630	2.891	92.700
14	0.700	2.297	9.250	9.281	0.252	4.960	2.715	90.300
15	0.750	2.461	8.400	8.408	0.205	1.280	2.438	84.800
16	0.800	2.625	7.690	7.683	0.146	-1.060	1.900	100.100
17	0.850	2.789	6.040	6.023	0.118	-2.760	1.959	91.700
18	0.900	2.953	8.990	8.980	0.148	-1.600	1.648	82.500
19	0.950	3.117	11.110	11.099	0.126	-1.750	1.135	82.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	10.380	10.365	0.140	-2.440	1.351	65.800
21	1.050	3.445	9.380	9.354	0.100	-4.120	1.069	71.400
22	1.100	3.609	8.070	8.039	0.149	-4.910	1.853	51.200
23	1.150	3.773	8.520	8.483	0.093	-5.990	1.096	49.900
24	1.200	3.937	13.740	13.711	0.060	-4.700	0.438	35.300
25	1.250	4.101	25.280	25.263	0.100	-2.700	0.396	45.600
26	1.300	4.265	23.830	23.868	0.230	6.080	0.964	30.100
27	1.350	4.429	21.540	21.564	0.359	3.860	1.665	37.900
28	1.400	4.593	23.480	23.509	0.289	4.590	1.229	30.300
29	1.450	4.757	17.850	17.874	0.308	3.880	1.723	41.500
30	1.500	4.921	41.860	41.878	0.527	2.810	1.258	43.500
31	1.550	5.085	79.900	79.962	0.560	9.970	0.700	47.300
32	1.600	5.249	76.810	76.814	0.568	0.690	0.739	59.800
33	1.650	5.413	17.020	17.064	0.382	7.090	2.239	70.600
34	1.700	5.577	8.870	8.906	0.220	5.690	2.470	71.500
35	1.750	5.741	8.780	8.838	0.170	9.230	1.924	81.500
36	1.800	5.905	11.040	11.115	0.154	11.990	1.386	76.600
37	1.850	6.069	10.360	10.430	0.168	11.140	1.611	78.500
38	1.900	6.234	10.360	10.413	0.195	8.420	1.873	74.300
39	1.950	6.398	13.650	13.701	0.247	8.180	1.803	89.100
40	2.000	6.562	13.730	13.783	0.364	8.470	2.641	57.100
41	2.050	6.726	11.580	11.603	0.375	3.620	3.232	59.900
42	2.100	6.890	18.080	18.096	0.213	2.530	1.177	41.700
43	2.150	7.054	21.590	21.698	0.458	17.260	2.111	30.900
44	2.200	7.218	60.530	60.601	0.623	11.450	1.028	33.300
45	2.250	7.382	19.480	19.623	0.547	22.940	2.788	27.800
46	2.300	7.546	15.460	15.467	0.597	1.200	3.860	16.800
47	2.350	7.710	49.680	49.672	0.538	-1.230	1.083	26.500
48	2.400	7.874	70.140	70.179	1.290	6.210	1.838	23.200
49	2.450	8.038	60.350	60.391	1.348	6.570	2.232	24.000
50	2.500	8.202	85.340	85.375	1.261	5.540	1.477	21.800
51	2.550	8.366	73.440	73.496	1.128	8.970	1.535	15.900
52	2.600	8.530	48.080	48.086	1.049	1.030	2.181	24.500
53	2.650	8.694	65.590	65.594	0.743	0.570	1.133	20.900
54	2.700	8.858	116.530	116.714	1.320	29.540	1.131	23.700
55	2.750	9.022	105.560	105.793	1.724	37.290	1.630	20.900
56	2.800	9.186	75.910	75.953	1.669	6.850	2.197	22.900
57	2.850	9.350	114.490	114.517	1.373	4.250	1.199	20.800
58	2.900	9.514	94.380	94.483	1.324	16.550	1.401	23.600
59	2.950	9.678	61.390	61.475	1.428	13.590	2.323	29.300
60	3.000	9.842	48.780	48.798	1.024	2.940	2.098	38.200
61	3.050	10.006	56.020	56.014	0.815	-1.020	1.455	32.800
62	3.100	10.170	51.140	51.176	0.947	5.750	1.850	43.100
63	3.150	10.335	34.510	34.509	0.753	-0.130	2.182	58.400
64	3.200	10.499	33.410	33.418	0.759	1.210	2.271	73.800
65	3.250	10.663	36.670	36.686	0.720	2.500	1.963	79.800
66	3.300	10.827	46.610	46.690	0.777	12.790	1.664	89.000
67	3.350	10.991	61.140	61.170	0.627	4.750	1.025	89.600
68	3.400	11.155	36.690	36.697	0.855	1.140	2.330	79.900
69	3.450	11.319	29.610	29.834	0.690	35.860	2.313	83.200
70	3.500	11.483	26.910	27.001	0.527	14.600	1.952	78.800
71	3.550	11.647	26.880	26.963	0.428	13.250	1.587	89.600
72	3.600	11.811	29.390	29.494	0.434	16.610	1.472	78.000
73	3.650	11.975	29.130	29.221	0.529	14.540	1.810	85.600
74	3.700	12.139	26.500	26.594	0.936	15.010	3.520	66.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	98.210	98.220	1.439	1.560	1.465	51.400
76	3.800	12.467	58.790	58.919	1.935	20.710	3.284	30.500
77	3.850	12.631	41.650	41.710	1.884	9.630	4.517	23.300
78	3.900	12.795	46.840	46.868	1.138	4.430	2.428	21.000
79	3.950	12.959	53.950	53.970	0.680	3.280	1.260	17.200
80	4.000	13.123	52.680	52.700	0.584	3.280	1.108	19.100
81	4.050	13.287	80.840	80.839	0.689	-0.190	0.852	16.500
82	4.100	13.451	95.190	95.306	0.874	18.630	0.917	15.500
83	4.150	13.615	66.410	66.453	0.756	6.830	1.138	14.800
84	4.200	13.779	60.980	60.972	1.102	-1.280	1.807	13.800
85	4.250	13.943	79.270	79.276	0.950	0.940	1.198	10.500
86	4.300	14.107	25.090	25.110	0.854	3.150	3.401	6.000
87	4.350	14.271	25.920	25.961	0.134	6.510	0.516	12.500
88	4.400	14.436	27.210	27.263	0.203	8.510	0.745	12.500
89	4.450	14.600	38.810	38.846	0.401	5.830	1.032	6.600
90	4.500	14.764	99.980	100.029	1.299	7.920	1.299	10.600
91	4.550	14.928	86.020	86.381	1.406	57.810	1.628	13.300
92	4.600	15.092	27.640	27.640	1.776	0.070	6.425	10.300
93	4.650	15.256	38.060	38.143	1.472	13.270	3.859	10.100
94	4.700	15.420	42.300	42.336	1.848	5.700	4.365	11.000
95	4.750	15.584	48.400	48.474	2.014	11.780	4.155	11.100
96	4.800	15.748	73.550	73.546	2.451	-0.620	3.333	17.000
97	4.850	15.912	77.380	77.446	2.337	10.560	3.018	16.000
98	4.900	16.076	142.490	142.520	2.514	4.880	1.764	22.800
99	4.950	16.240	136.940	136.970	1.990	4.880	1.453	34.000
100	5.000	16.404	84.350	84.444	1.722	15.040	2.039	36.400
101	5.050	16.568	51.420	51.432	1.501	1.990	2.918	49.100
102	5.100	16.732	36.360	36.409	1.318	7.770	3.620	36.300
103	5.150	16.896	41.110	41.281	1.267	27.380	3.069	26.900
104	5.200	17.060	48.300	48.256	1.056	-7.040	2.188	31.900
105	5.250	17.224	53.260	53.254	1.230	-0.900	2.310	23.400
106	5.300	17.388	42.080	42.055	1.084	-4.000	2.578	18.400
107	5.350	17.552	33.740	33.754	0.828	2.260	2.453	18.700
108	5.400	17.716	52.890	52.900	0.819	1.630	1.548	15.200
109	5.450	17.880	36.830	36.851	1.273	3.420	3.454	16.700
110	5.500	18.044	107.490	107.485	1.690	-0.760	1.572	19.500
111	5.550	18.208	105.450	105.483	1.854	5.280	1.758	18.200
112	5.600	18.372	92.670	92.810	1.553	22.480	1.673	24.900
113	5.650	18.537	89.720	89.839	1.342	19.010	1.494	25.100
114	5.700	18.701	81.460	81.528	1.301	10.890	1.596	37.300
115	5.750	18.865	78.070	78.114	1.078	6.980	1.380	42.700
116	5.800	19.029	64.610	64.654	0.881	7.100	1.363	56.900
117	5.850	19.193	53.370	53.401	0.681	4.940	1.275	60.400
118	5.900	19.357	31.260	31.397	0.488	22.000	1.554	70.000
119	5.950	19.521	25.400	25.575	0.665	27.980	2.600	72.500
120	6.000	19.685	25.730	26.023	0.658	46.970	2.529	60.600
121	6.050	19.849	65.240	65.334	1.095	15.090	1.676	68.700
122	6.100	20.013	43.530	43.552	1.160	3.600	2.663	66.700
123	6.150	20.177	42.380	42.537	0.936	25.180	2.200	65.000
124	6.200	20.341	39.620	39.955	0.788	53.710	1.972	75.400
125	6.250	20.505	47.730	47.795	0.822	10.370	1.720	92.500
126	6.300	20.669	42.970	43.017	0.848	7.480	1.971	108.100
127	6.350	20.833	30.510	30.563	0.885	8.560	2.896	109.800
128	6.400	20.997	19.310	19.381	0.674	11.370	3.478	113.200
129	6.450	21.161	19.330	19.364	0.756	5.440	3.904	145.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	21.790	21.770	0.733	-3.140	3.367	202.500
131	6.550	21.489	14.470	14.417	0.758	-8.480	5.258	354.000
132	6.600	21.653	16.730	16.706	0.628	-3.850	3.759	550.900
133	6.650	21.817	13.170	13.156	0.600	-2.280	4.561	897.500
134	6.700	21.981	24.550	24.558	0.441	1.240	1.796	1276.700
135	6.750	22.145	25.580	25.576	0.620	-0.700	2.424	1413.500
136	6.800	22.309	31.390	31.384	0.763	-0.960	2.431	1342.300
137	6.850	22.473	20.670	20.657	0.699	-2.080	3.384	1045.400
138	6.900	22.638	18.740	18.730	0.794	-1.680	4.239	727.300
139	6.950	22.802	32.820	32.879	1.088	9.440	3.309	514.700
140	7.000	22.966	67.280	67.277	1.514	-0.550	2.250	344.700
141	7.050	23.130	57.260	57.335	2.178	11.960	3.799	264.000
142	7.100	23.294	100.370	100.381	2.007	1.690	1.999	187.400
143	7.150	23.458	66.270	66.452	1.813	29.230	2.728	159.900
144	7.200	23.622	99.050	99.070	1.949	3.130	1.967	135.700
145	7.250	23.786	84.600	84.635	1.893	5.680	2.237	131.600
146	7.300	23.950	74.790	74.808	2.152	2.920	2.877	124.600
147	7.350	24.114	82.920	82.922	2.720	0.250	3.280	127.900
148	7.400	24.278	68.680	68.688	1.587	1.210	2.310	126.100
149	7.450	24.442	71.120	71.149	1.762	4.700	2.476	106.100
150	7.500	24.606	54.200	54.190	1.329	-1.540	2.452	0.000
151	7.550	24.770	23.220	23.226	1.074	0.900	4.624	0.000
152	7.600	24.934	161.530	161.542	2.361	1.900	1.462	0.000
153	7.650	25.098	191.650	191.652	2.933	0.380	1.530	0.000
154	7.700	25.262	181.820	182.059	3.079	38.330	1.691	0.000
155	7.750	25.426	107.660	107.660	1.726	0.000	1.603	0.000
156	7.800	25.590	37.650	37.648	1.469	-0.250	3.902	0.000
157	7.850	25.754	39.910	39.943	0.699	5.320	1.750	0.000
158	7.900	25.918	24.220	24.218	0.517	-0.330	2.135	0.000
159	7.950	26.082	14.680	14.698	0.317	2.860	2.157	0.000
160	8.000	26.246	11.590	11.630	0.237	6.450	2.038	0.000
161	8.050	26.410	21.520	21.533	0.503	2.160	2.336	0.000
162	8.100	26.574	30.780	30.787	0.724	1.050	2.352	0.000
163	8.150	26.739	79.620	79.602	1.249	-2.950	1.569	0.000
164	8.200	26.903	186.310	186.327	0.000	2.740	0.000	0.000
165	8.250	27.067	353.770	353.772	0.000	0.330	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221505
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-1C-6T1
Cone ID:	224:T1500F15U500
Operator:	DC/YB/AD
CPT Date:	Feb-18-2014
CPT Time:	16:46
CPT File:	13-53075_GP1C-6T1.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722043.773
Northing / Lat:	4294194.557
Elevation:	142.812
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	1.510	1.648	0.001	22.100	0.061	47.400
2	0.100	0.328	1.550	1.585	0.002	5.600	0.126	62.300
3	0.150	0.492	28.110	28.196	0.002	13.810	0.007	53.900
4	0.200	0.656	74.800	74.851	0.001	8.210	0.001	51.000
5	0.250	0.820	129.180	129.188	0.002	1.280	0.002	55.100
6	0.300	0.984	118.150	118.188	0.001	6.040	0.001	68.500
7	0.350	1.148	113.750	113.777	0.002	4.360	0.002	81.100
8	0.400	1.312	79.740	80.616	0.002	140.260	0.002	69.200
9	0.450	1.476	62.500	63.283	0.023	125.350	0.036	90.600
10	0.500	1.640	37.300	37.394	0.012	15.010	0.032	93.200
11	0.550	1.804	23.570	23.615	0.012	7.260	0.051	85.600
12	0.600	1.968	34.580	34.576	0.257	-0.600	0.743	100.700
13	0.650	2.133	50.090	50.087	0.484	-0.480	0.966	105.500
14	0.700	2.297	65.230	65.220	0.571	-1.610	0.875	81.200
15	0.750	2.461	61.860	61.828	0.615	-5.130	0.995	97.800
16	0.800	2.625	55.330	55.310	1.133	-3.260	2.048	95.300
17	0.850	2.789	51.330	51.305	1.126	-3.940	2.195	103.300
18	0.900	2.953	58.300	58.289	0.650	-1.770	1.115	82.700
19	0.950	3.117	50.250	50.280	0.370	4.760	0.736	81.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	32.240	32.334	0.260	15.120	0.804	86.700
21	1.050	3.445	22.660	22.697	0.194	5.960	0.855	86.100
22	1.100	3.609	15.120	15.136	0.124	2.590	0.819	94.100
23	1.150	3.773	9.440	9.437	0.059	-0.540	0.625	89.400
24	1.200	3.937	7.050	6.975	0.012	-12.040	0.172	80.300
25	1.250	4.101	5.380	5.309	0.012	-11.420	0.226	61.800
26	1.300	4.265	6.860	6.802	0.025	-9.280	0.368	49.300
27	1.350	4.429	9.930	9.939	0.072	1.460	0.724	45.200
28	1.400	4.593	11.860	11.851	0.211	-1.460	1.780	54.900
29	1.450	4.757	4.050	4.005	0.151	-7.220	3.770	53.600
30	1.500	4.921	0.480	0.506	0.065	4.140	12.850	52.100
31	1.550	5.085	5.220	5.213	0.042	-1.060	0.806	52.100
32	1.600	5.249	9.040	9.115	0.024	12.040	0.263	46.600
33	1.650	5.413	5.060	5.043	0.034	-2.730	0.674	42.000
34	1.700	5.577	3.750	3.752	0.030	0.260	0.800	42.900
35	1.750	5.741	8.800	8.817	0.055	2.660	0.624	40.900
36	1.800	5.905	13.100	13.137	0.101	5.860	0.769	39.600
37	1.850	6.069	21.360	21.402	0.174	6.800	0.813	50.300
38	1.900	6.234	14.890	14.959	0.185	10.980	1.237	61.200
39	1.950	6.398	6.460	6.526	0.153	10.520	2.345	67.000
40	2.000	6.562	4.910	4.953	0.081	6.950	1.635	73.500
41	2.050	6.726	4.790	4.839	0.053	7.780	1.095	78.100
42	2.100	6.890	5.960	6.038	0.031	12.530	0.513	99.300
43	2.150	7.054	8.030	8.131	0.089	16.140	1.095	63.200
44	2.200	7.218	8.500	8.588	0.090	14.110	1.048	61.900
45	2.250	7.382	8.080	8.105	0.091	3.960	1.123	42.500
46	2.300	7.546	8.960	8.953	0.083	-1.200	0.927	50.200
47	2.350	7.710	27.630	27.699	0.146	11.110	0.527	37.100
48	2.400	7.874	27.890	27.942	0.147	8.390	0.526	22.000
49	2.450	8.038	54.910	54.955	0.233	7.240	0.424	23.300
50	2.500	8.202	100.780	100.820	0.318	6.390	0.315	24.500
51	2.550	8.366	88.770	89.092	0.166	51.600	0.186	18.200
52	2.600	8.530	88.580	89.197	0.417	98.870	0.468	18.700
53	2.650	8.694	80.770	81.191	0.185	67.510	0.228	14.200
54	2.700	8.858	82.340	82.568	0.169	36.480	0.205	13.200
55	2.750	9.022	65.210	66.009	0.103	128.010	0.156	20.200
56	2.800	9.186	53.800	54.068	0.086	42.880	0.159	21.900
57	2.850	9.350	52.830	53.121	0.075	46.660	0.141	19.900
58	2.900	9.514	51.050	51.303	0.028	40.560	0.055	24.700
59	2.950	9.678	67.970	68.263	0.032	46.980	0.047	22.300
60	3.000	9.842	69.280	69.584	0.031	48.750	0.045	28.600
61	3.050	10.006	40.370	40.541	0.026	27.440	0.064	30.000
62	3.100	10.170	34.860	34.914	0.030	8.610	0.086	30.900
63	3.150	10.335	50.330	50.420	0.240	14.480	0.476	37.700
64	3.200	10.499	66.350	66.485	0.311	21.670	0.468	40.000
65	3.250	10.663	71.080	71.487	0.087	65.130	0.122	63.400
66	3.300	10.827	74.350	74.872	0.027	83.540	0.036	60.900
67	3.350	10.991	66.260	66.674	0.070	66.250	0.105	68.200
68	3.400	11.155	60.580	60.892	0.221	49.960	0.363	87.000
69	3.450	11.319	67.570	68.113	0.193	87.050	0.283	89.100
70	3.500	11.483	68.700	69.355	0.255	104.880	0.368	82.900
71	3.550	11.647	73.890	74.387	0.255	79.600	0.343	65.900
72	3.600	11.811	71.010	71.573	0.192	90.140	0.268	54.200
73	3.650	11.975	70.340	70.824	0.467	77.460	0.659	46.500
74	3.700	12.139	92.730	93.300	0.942	91.370	1.010	36.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	105.920	106.308	1.135	62.160	1.068	33.100
76	3.800	12.467	34.680	35.117	0.914	70.080	2.603	32.200
77	3.850	12.631	20.780	20.871	0.912	14.630	4.370	22.400
78	3.900	12.795	66.000	66.004	0.853	0.650	1.292	24.900
79	3.950	12.959	51.930	52.563	1.108	101.320	2.108	17.400
80	4.000	13.123	35.700	35.730	0.810	4.830	2.267	19.900
81	4.050	13.287	26.580	26.599	0.488	3.050	1.835	12.300
82	4.100	13.451	32.350	32.357	0.316	1.090	0.977	12.400
83	4.150	13.615	23.410	23.438	0.507	4.430	2.163	12.400
84	4.200	13.779	23.450	23.496	0.454	7.330	1.932	8.800
85	4.250	13.943	30.910	30.934	0.562	3.880	1.817	13.200
86	4.300	14.107	20.620	20.617	0.402	-0.430	1.950	11.800
87	4.350	14.271	38.660	38.647	0.609	-2.160	1.576	12.900
88	4.400	14.436	77.750	77.796	0.951	7.330	1.222	9.600
89	4.450	14.600	84.960	84.995	1.253	5.610	1.474	7.600
90	4.500	14.764	35.690	35.690	1.071	0.030	3.001	10.200
91	4.550	14.928	35.040	35.049	1.166	1.380	3.327	13.900
92	4.600	15.092	59.370	59.376	1.295	1.040	2.181	9.300
93	4.650	15.256	61.650	61.682	1.420	5.090	2.302	9.900
94	4.700	15.420	93.340	93.405	1.417	10.440	1.517	10.900
95	4.750	15.584	98.450	98.596	1.986	23.350	2.014	12.100
96	4.800	15.748	77.580	77.568	2.025	-1.900	2.611	17.800
97	4.850	15.912	37.320	37.319	1.633	-0.190	4.376	12.100
98	4.900	16.076	36.540	36.519	1.379	-3.350	3.776	13.200
99	4.950	16.240	43.450	43.529	0.949	12.640	2.180	20.100
100	5.000	16.404	26.150	26.178	1.183	4.530	4.519	26.200
101	5.050	16.568	25.710	25.739	1.014	4.670	3.940	29.300
102	5.100	16.732	20.980	21.127	0.724	23.600	3.427	39.000
103	5.150	16.896	15.880	15.943	0.578	10.090	3.625	34.200
104	5.200	17.060	23.480	23.600	0.558	19.280	2.364	27.600
105	5.250	17.224	49.560	49.612	1.143	8.290	2.304	24.300
106	5.300	17.388	43.410	43.475	1.083	10.360	2.491	18.300
107	5.350	17.552	26.080	26.123	0.941	6.880	3.602	17.200
108	5.400	17.716	28.730	28.744	0.872	2.220	3.034	15.400
109	5.450	17.880	28.660	28.711	0.425	8.160	1.480	17.400
110	5.500	18.044	32.480	32.553	0.395	11.770	1.213	16.500
111	5.550	18.208	30.560	30.798	0.294	38.190	0.955	16.000
112	5.600	18.372	32.270	32.330	0.283	9.690	0.875	26.600
113	5.650	18.537	26.980	26.990	0.423	1.530	1.567	27.100
114	5.700	18.701	32.900	32.925	0.675	3.960	2.050	46.900
115	5.750	18.865	33.920	33.991	0.668	11.420	1.965	60.100
116	5.800	19.029	34.640	34.665	0.748	4.040	2.158	75.600
117	5.850	19.193	32.760	32.771	0.684	1.770	2.087	66.900
118	5.900	19.357	29.510	29.569	0.647	9.390	2.188	78.700
119	5.950	19.521	28.840	28.850	0.547	1.570	1.896	64.300
120	6.000	19.685	26.990	27.055	0.628	10.350	2.321	67.400
121	6.050	19.849	35.670	35.711	0.859	6.490	2.405	60.300
122	6.100	20.013	43.830	43.887	0.943	9.070	2.149	73.600
123	6.150	20.177	40.780	40.959	1.371	28.610	3.347	71.200
124	6.200	20.341	34.050	33.970	1.166	-12.880	3.432	62.600
125	6.250	20.505	43.890	43.863	0.747	-4.360	1.703	76.500
126	6.300	20.669	41.280	41.443	0.694	26.160	1.675	94.600
127	6.350	20.833	61.130	61.253	0.916	19.750	1.495	97.300
128	6.400	20.997	45.700	45.859	0.925	25.450	2.017	92.500
129	6.450	21.161	33.990	34.094	0.935	16.660	2.742	101.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	30.230	30.290	0.803	9.590	2.651	107.200
131	6.550	21.489	23.650	23.693	0.687	6.850	2.900	81.400
132	6.600	21.653	17.910	17.907	0.518	-0.410	2.893	90.000
133	6.650	21.817	20.770	20.742	0.464	-4.560	2.237	104.400
134	6.700	21.981	16.170	16.120	0.458	-7.970	2.841	96.800
135	6.750	22.145	20.700	20.676	0.370	-3.890	1.790	122.200
136	6.800	22.309	12.210	12.198	0.342	-1.920	2.804	148.700
137	6.850	22.473	15.520	15.488	0.371	-5.120	2.395	213.700
138	6.900	22.638	17.990	17.986	0.347	-0.600	1.929	341.400
139	6.950	22.802	14.000	13.994	0.308	-0.910	2.201	575.100
140	7.000	22.966	25.350	25.314	0.338	-5.780	1.335	982.800
141	7.050	23.130	30.320	30.324	0.478	0.700	1.576	1796.800
142	7.100	23.294	44.890	44.892	0.623	0.280	1.388	2745.500
143	7.150	23.458	21.260	21.260	0.812	0.000	3.819	2862.900
144	7.200	23.622	15.470	15.471	0.481	0.090	3.109	2214.300
145	7.250	23.786	24.440	24.449	0.362	1.400	1.481	1561.500
146	7.300	23.950	31.720	31.835	0.389	18.440	1.222	1080.700
147	7.350	24.114	44.600	44.617	0.383	2.700	0.858	0.000
148	7.400	24.278	40.470	40.499	0.486	4.600	1.200	0.000
149	7.450	24.442	27.680	27.684	0.939	0.610	3.392	0.000
150	7.500	24.606	23.700	23.757	0.841	9.180	3.540	0.000
151	7.550	24.770	35.350	35.350	0.775	-0.060	2.192	0.000
152	7.600	24.934	18.470	18.405	0.420	-10.370	2.282	0.000
153	7.650	25.098	8.970	8.987	0.327	2.750	3.639	0.000
154	7.700	25.262	10.540	10.542	0.120	0.390	1.138	0.000
155	7.750	25.426	8.310	8.330	0.066	3.260	0.792	0.000
156	7.800	25.590	8.540	8.571	0.074	4.920	0.863	0.000
157	7.850	25.754	11.860	11.877	0.195	2.770	1.642	0.000
158	7.900	25.918	24.240	24.260	0.873	3.280	3.598	0.000
159	7.950	26.082	26.630	26.802	1.684	27.630	6.283	0.000
160	8.000	26.246	79.340	79.364	3.018	3.780	3.803	0.000
161	8.050	26.410	266.360	266.375	0.000	2.440	0.000	0.000
162	8.100	26.574	296.120	296.117	0.000	-0.440	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221504
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-1C-6T
Cone ID:	224:T1500F15U500
Operator:	DC/YB/AD
CPT Date:	Feb-18-2014
CPT Time:	11:07
CPT File:	13-53075_GP1C-6T.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722043.481
Northing / Lat:	4294195.096
Elevation:	142.818
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
1	0.050	0.164	9.420	9.444	0.002	3.920	0.021	49.500
2	0.100	0.328	44.010	44.043	0.004	5.330	0.009	57.900
3	0.150	0.492	61.780	61.842	0.002	10.000	0.003	59.400
4	0.200	0.656	107.390	107.498	0.001	17.290	0.001	56.800
5	0.250	0.820	98.590	98.675	0.001	13.610	0.001	68.500
6	0.300	0.984	112.840	112.951	0.002	17.860	0.002	70.100
7	0.350	1.148	72.940	73.136	0.001	31.380	0.001	94.700
8	0.400	1.312	56.650	57.056	0.002	65.100	0.004	89.800
9	0.450	1.476	40.530	40.729	0.001	31.900	0.002	107.500
10	0.500	1.640	39.460	39.714	0.002	40.700	0.005	104.900
11	0.550	1.804	56.990	57.179	0.002	30.320	0.003	84.400
12	0.600	1.968	57.840	57.925	0.433	13.560	0.748	98.400
13	0.650	2.133	56.580	56.645	0.493	10.430	0.870	95.800
14	0.700	2.297	36.500	36.547	0.351	7.580	0.960	83.400
15	0.750	2.461	26.440	26.474	0.171	5.490	0.646	84.900
16	0.800	2.625	21.340	21.365	0.138	4.080	0.646	75.300
17	0.850	2.789	25.180	25.199	0.161	3.080	0.639	83.200
18	0.900	2.953	38.440	38.457	0.404	2.650	1.051	76.400
19	0.950	3.117	14.290	14.307	0.416	2.700	2.908	76.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	8.700	8.718	0.266	2.920	3.051	74.100
21	1.050	3.445	10.460	10.482	0.163	3.570	1.555	62.200
22	1.100	3.609	12.160	12.179	0.052	3.110	0.427	52.100
23	1.150	3.773	15.580	15.594	0.020	2.300	0.128	40.000
24	1.200	3.937	18.350	18.369	0.014	3.110	0.076	42.400
25	1.250	4.101	20.120	20.138	0.039	2.950	0.194	40.700
26	1.300	4.265	29.880	29.900	0.135	3.220	0.452	40.200
27	1.350	4.429	47.580	47.603	0.144	3.730	0.303	45.100
28	1.400	4.593	61.050	61.074	0.208	3.890	0.341	33.000
29	1.450	4.757	110.550	110.575	0.330	3.940	0.298	39.900
30	1.500	4.921	162.660	162.694	0.912	5.470	0.561	39.600
31	1.550	5.085	186.280	186.342	0.774	9.980	0.415	38.400
32	1.600	5.249	27.670	27.706	0.913	5.780	3.295	30.600
33	1.650	5.413	20.340	20.372	0.489	5.170	2.400	35.800
34	1.700	5.577	13.520	13.553	0.531	5.290	3.918	36.400
35	1.750	5.741	16.480	16.540	0.359	9.540	2.171	43.000
36	1.800	5.905	14.840	14.876	0.324	5.820	2.178	40.900
37	1.850	6.069	12.590	12.609	0.213	3.080	1.689	48.500
38	1.900	6.234	9.150	9.171	0.184	3.290	2.006	69.300
39	1.950	6.398	10.630	10.667	0.204	5.940	1.912	74.200
40	2.000	6.562	6.150	6.181	0.152	4.900	2.459	67.800
41	2.050	6.726	5.640	5.669	0.149	4.590	2.628	63.800
42	2.100	6.890	4.840	4.864	0.068	3.860	1.398	65.500
43	2.150	7.054	19.980	19.978	0.482	-0.360	2.413	44.600
44	2.200	7.218	29.790	29.787	0.477	-0.560	1.601	43.000
45	2.250	7.382	13.370	13.401	0.642	4.890	4.791	33.900
46	2.300	7.546	22.630	22.660	0.315	4.810	1.390	33.100
47	2.350	7.710	8.440	8.475	0.410	5.550	4.838	27.100
48	2.400	7.874	14.580	14.593	0.291	2.030	1.994	24.400
49	2.450	8.038	18.860	18.864	0.350	0.600	1.855	19.900
50	2.500	8.202	28.560	28.576	0.257	2.600	0.899	15.100
51	2.550	8.366	17.410	17.437	0.398	4.250	2.283	24.200
52	2.600	8.530	26.140	26.169	0.313	4.660	1.196	18.200
53	2.650	8.694	15.100	15.127	0.284	4.330	1.877	13.400
54	2.700	8.858	16.730	16.735	0.381	0.750	2.277	19.300
55	2.750	9.022	34.780	34.835	0.626	8.880	1.797	14.500
56	2.800	9.186	29.060	29.126	0.475	10.560	1.631	21.100
57	2.850	9.350	19.600	19.658	0.750	9.330	3.815	22.200
58	2.900	9.514	37.100	37.139	0.471	6.300	1.268	27.700
59	2.950	9.678	39.400	39.425	0.536	3.960	1.360	28.000
60	3.000	9.842	22.730	22.743	0.644	2.060	2.832	30.300
61	3.050	10.006	38.910	38.923	0.907	2.020	2.330	37.400
62	3.100	10.170	49.690	49.743	0.810	8.420	1.628	34.500
63	3.150	10.335	20.040	20.106	0.680	10.530	3.382	44.700
64	3.200	10.499	10.040	10.082	0.231	6.670	2.291	58.800
65	3.250	10.663	6.640	6.668	0.220	4.510	3.299	70.200
66	3.300	10.827	10.750	10.790	0.251	6.450	2.326	73.000
67	3.350	10.991	17.160	17.215	0.441	8.800	2.562	90.500
68	3.400	11.155	23.170	23.247	0.654	12.260	2.813	76.800
69	3.450	11.319	26.530	26.622	0.887	14.670	3.332	65.500
70	3.500	11.483	25.770	25.848	0.543	12.480	2.101	66.800
71	3.550	11.647	24.250	24.321	0.915	11.390	3.762	48.800
72	3.600	11.811	52.530	52.555	0.967	3.950	1.840	44.600
73	3.650	11.975	34.660	34.734	0.964	11.840	2.775	35.100
74	3.700	12.139	22.060	22.117	0.669	9.100	3.025	39.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	14.370	14.401	0.303	4.910	2.104	29.400
76	3.800	12.467	17.720	17.727	0.403	1.130	2.273	22.700
77	3.850	12.631	69.480	69.502	0.779	3.600	1.121	24.900
78	3.900	12.795	28.060	28.058	0.822	-0.270	2.930	19.400
79	3.950	12.959	35.980	35.995	0.890	2.390	2.473	15.500
80	4.000	13.123	49.060	49.081	0.619	3.430	1.261	12.900
81	4.050	13.287	33.840	33.860	1.011	3.130	2.986	14.500
82	4.100	13.451	24.240	24.254	1.305	2.280	5.381	9.000
83	4.150	13.615	45.400	45.424	1.324	3.800	2.915	9.300
84	4.200	13.779	19.380	19.402	1.284	3.530	6.618	11.200
85	4.250	13.943	37.510	37.536	1.406	4.210	3.746	14.000
86	4.300	14.107	57.360	57.384	1.211	3.920	2.110	8.500
87	4.350	14.271	53.710	53.725	0.794	2.410	1.478	9.900
88	4.400	14.436	40.500	40.507	0.864	1.060	2.133	9.400
89	4.450	14.600	40.840	40.896	1.116	9.010	2.729	9.900
90	4.500	14.764	126.330	126.384	2.050	8.650	1.622	8.500
91	4.550	14.928	105.290	105.314	2.126	3.790	2.019	7.000
92	4.600	15.092	71.140	71.166	2.264	4.230	3.181	8.800
93	4.650	15.256	51.280	51.306	1.777	4.120	3.464	10.400
94	4.700	15.420	78.460	78.533	1.953	11.690	2.487	8.300
95	4.750	15.584	68.410	68.446	1.854	5.740	2.709	11.800
96	4.800	15.748	54.370	54.386	1.653	2.490	3.039	14.500
97	4.850	15.912	50.930	50.955	1.414	3.960	2.775	16.000
98	4.900	16.076	39.610	39.629	1.148	3.110	2.897	17.100
99	4.950	16.240	30.030	30.054	0.975	3.890	3.244	27.600
100	5.000	16.404	40.500	40.515	0.864	2.460	2.133	31.800
101	5.050	16.568	29.320	29.332	0.572	1.950	1.950	31.800
102	5.100	16.732	17.090	17.189	0.595	15.880	3.461	28.400
103	5.150	16.896	19.030	19.124	0.443	15.130	2.316	25.600
104	5.200	17.060	23.430	23.519	0.627	14.220	2.666	23.800
105	5.250	17.224	32.980	33.054	0.789	11.840	2.387	13.900
106	5.300	17.388	18.060	18.105	0.837	7.160	4.623	16.100
107	5.350	17.552	15.760	15.859	0.548	15.900	3.455	17.400
108	5.400	17.716	5.580	5.612	0.253	5.080	4.508	18.700
109	5.450	17.880	15.800	15.812	0.069	1.970	0.436	17.800
110	5.500	18.044	33.800	33.811	0.039	1.710	0.115	17.200
111	5.550	18.208	25.480	25.504	0.179	3.860	0.702	26.200
112	5.600	18.372	19.870	19.897	0.147	4.390	0.739	33.600
113	5.650	18.537	18.810	18.834	0.472	3.910	2.506	39.700
114	5.700	18.701	32.040	32.051	0.441	1.820	1.376	44.300
115	5.750	18.865	45.840	45.867	0.422	4.270	0.920	56.700
116	5.800	19.029	47.580	47.627	0.448	7.450	0.941	72.300
117	5.850	19.193	20.270	20.339	0.430	11.070	2.114	72.900
118	5.900	19.357	25.090	25.148	0.298	9.290	1.185	78.700
119	5.950	19.521	20.280	20.306	0.241	4.210	1.187	76.300
120	6.000	19.685	27.010	27.055	0.713	7.180	2.635	67.900
121	6.050	19.849	57.050	57.052	1.008	0.350	1.767	81.800
122	6.100	20.013	23.460	23.482	1.151	3.600	4.902	74.800
123	6.150	20.177	25.820	25.829	0.923	1.400	3.574	80.300
124	6.200	20.341	66.380	66.453	0.740	11.720	1.114	74.000
125	6.250	20.505	88.690	88.722	0.855	5.140	0.964	95.100
126	6.300	20.669	60.960	61.005	1.069	7.230	1.752	95.600
127	6.350	20.833	39.780	39.847	0.892	10.800	2.239	95.600
128	6.400	20.997	28.570	28.587	0.832	2.770	2.910	90.900
129	6.450	21.161	22.260	22.225	0.658	-5.570	2.961	89.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	16.560	16.518	0.491	-6.680	2.972	88.200
131	6.550	21.489	10.990	10.946	0.340	-6.970	3.106	90.100
132	6.600	21.653	10.720	10.709	0.435	-1.710	4.062	112.300
133	6.650	21.817	12.390	12.376	0.457	-2.280	3.693	140.200
134	6.700	21.981	15.400	15.390	0.440	-1.590	2.859	205.700
135	6.750	22.145	14.310	14.296	0.410	-2.280	2.868	302.000
136	6.800	22.309	13.810	13.800	0.236	-1.650	1.710	523.700
137	6.850	22.473	16.470	16.475	0.239	0.830	1.451	831.900
138	6.900	22.638	14.380	14.388	0.308	1.330	2.141	1247.700
139	6.950	22.802	27.060	27.067	0.454	1.150	1.677	1506.500
140	7.000	22.966	16.910	16.928	0.487	2.810	2.877	1355.500
141	7.050	23.130	12.460	12.482	0.399	3.600	3.196	923.800
142	7.100	23.294	12.640	12.647	0.185	1.110	1.463	659.000
143	7.150	23.458	10.790	10.802	0.129	1.860	1.194	525.800
144	7.200	23.622	8.390	8.417	0.084	4.290	0.998	441.200
145	7.250	23.786	6.420	6.444	0.128	3.790	1.986	0.000
146	7.300	23.950	47.470	47.501	0.265	5.040	0.558	0.000
147	7.350	24.114	23.450	23.447	0.350	-0.550	1.493	0.000
148	7.400	24.278	57.680	57.690	0.465	1.630	0.806	0.000
149	7.450	24.442	100.560	100.579	0.811	3.000	0.806	0.000
150	7.500	24.606	80.150	80.167	0.766	2.760	0.956	0.000
151	7.550	24.770	7.150	7.164	0.709	2.250	9.897	0.000
152	7.600	24.934	62.610	62.620	0.832	1.660	1.329	0.000
153	7.650	25.098	37.340	37.349	0.652	1.500	1.746	0.000
154	7.700	25.262	28.640	28.659	1.669	3.030	5.824	0.000
155	7.750	25.426	94.860	94.871	1.622	1.690	1.710	0.000
156	7.800	25.590	45.620	45.626	2.503	0.970	5.486	0.000
157	7.850	25.754	26.980	26.972	0.981	-1.280	3.637	0.000
158	7.900	25.918	9.430	9.441	0.336	1.780	3.559	0.000
159	7.950	26.082	83.640	83.663	0.000	3.630	0.000	0.000
160	8.000	26.246	560.350	560.361	0.000	1.840	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221507
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-1C-7
Cone ID:	224:T1500F15U500
Operator:	DC/YB/AD
CPT Date:	Feb-18-2014
CPT Time:	08:34
CPT File:	13-53075_GP1C-7.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722049.860
Northing / Lat:	4294183.640
Elevation:	142.710
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	1.140	1.139	0.001	-0.130	0.088	32.100
2	0.100	0.328	1.840	1.844	0.002	0.610	0.108	44.600
3	0.150	0.492	1.620	1.621	0.008	0.090	0.494	35.200
4	0.200	0.656	3.660	3.658	0.025	-0.400	0.684	46.100
5	0.250	0.820	4.530	4.534	0.044	0.680	0.970	61.300
6	0.300	0.984	3.450	3.461	0.081	1.750	2.340	63.400
7	0.350	1.148	1.240	1.244	0.046	0.590	3.699	66.800
8	0.400	1.312	5.880	5.890	0.090	1.580	1.528	69.100
9	0.450	1.476	4.920	4.924	0.105	0.570	2.133	79.100
10	0.500	1.640	2.750	2.751	0.133	0.110	4.835	72.900
11	0.550	1.804	2.570	2.568	0.122	-0.360	4.751	72.900
12	0.600	1.968	2.750	2.751	0.106	0.140	3.853	71.200
13	0.650	2.133	2.120	2.124	0.085	0.640	4.002	85.900
14	0.700	2.297	2.480	2.482	0.078	0.390	3.142	84.600
15	0.750	2.461	3.170	3.176	0.108	1.010	3.400	79.000
16	0.800	2.625	3.730	3.737	0.101	1.140	2.703	81.000
17	0.850	2.789	3.230	3.257	0.121	4.360	3.715	83.100
18	0.900	2.953	3.620	3.635	0.188	2.460	5.171	80.500
19	0.950	3.117	5.420	5.418	0.247	-0.330	4.559	81.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	5.630	5.632	0.369	0.300	6.552	86.200
21	1.050	3.445	12.650	12.692	0.435	6.690	3.427	69.800
22	1.100	3.609	26.100	26.285	0.414	29.680	1.575	79.600
23	1.150	3.773	35.150	35.260	0.835	17.580	2.368	54.600
24	1.200	3.937	44.140	44.207	0.952	10.810	2.153	49.800
25	1.250	4.101	47.470	47.577	0.843	17.210	1.772	32.700
26	1.300	4.265	67.670	67.743	0.767	11.730	1.132	116.300
27	1.350	4.429	220.920	220.994	1.224	11.820	0.554	21.200
28	1.400	4.593	168.540	168.577	1.593	5.860	0.945	40.100
29	1.450	4.757	89.400	89.472	1.015	11.480	1.134	29.700
30	1.500	4.921	96.960	96.993	0.851	5.250	0.877	59.500
31	1.550	5.085	15.850	15.839	0.573	-1.770	3.618	31.500
32	1.600	5.249	10.830	10.833	0.449	0.530	4.145	38.500
33	1.650	5.413	38.890	38.893	0.418	0.480	1.075	47.500
34	1.700	5.577	42.700	42.712	0.589	1.980	1.379	59.700
35	1.750	5.741	28.180	28.197	0.444	2.720	1.575	56.400
36	1.800	5.905	15.240	15.271	0.482	5.020	3.156	55.500
37	1.850	6.069	9.780	9.770	0.310	-1.620	3.173	40.700
38	1.900	6.234	14.280	14.262	0.401	-2.960	2.812	43.600
39	1.950	6.398	25.930	25.943	0.519	2.080	2.001	36.000
40	2.000	6.562	14.700	14.705	0.536	0.860	3.645	35.700
41	2.050	6.726	10.440	10.473	0.627	5.230	5.987	26.200
42	2.100	6.890	11.800	11.827	0.558	4.390	4.718	35.400
43	2.150	7.054	16.950	16.941	0.556	-1.380	3.282	21.500
44	2.200	7.218	6.260	6.281	0.438	3.360	6.973	32.300
45	2.250	7.382	4.170	4.172	0.289	0.300	6.927	37.600
46	2.300	7.546	10.410	10.420	0.176	1.560	1.689	37.500
47	2.350	7.710	18.520	18.529	0.222	1.410	1.198	36.200
48	2.400	7.874	13.220	13.509	0.261	46.290	1.932	39.800
49	2.450	8.038	8.380	8.420	0.232	6.470	2.755	57.300
50	2.500	8.202	11.480	11.521	0.187	6.580	1.623	65.500
51	2.550	8.366	18.680	18.719	0.211	6.270	1.127	69.100
52	2.600	8.530	28.100	28.140	0.241	6.400	0.856	77.800
53	2.650	8.694	41.450	41.467	0.366	2.720	0.883	75.500
54	2.700	8.858	49.660	49.673	0.538	2.040	1.083	83.600
55	2.750	9.022	48.520	48.540	0.768	3.250	1.582	87.700
56	2.800	9.186	36.110	36.114	0.889	0.720	2.462	90.400
57	2.850	9.350	27.950	27.970	0.754	3.150	2.696	93.300
58	2.900	9.514	25.350	25.402	0.595	8.390	2.342	89.100
59	2.950	9.678	20.450	20.531	0.409	13.020	1.992	98.900
60	3.000	9.842	16.400	16.446	0.361	7.440	2.195	93.000
61	3.050	10.006	14.070	14.110	0.359	6.390	2.544	92.300
62	3.100	10.170	15.970	16.000	0.304	4.800	1.900	95.600
63	3.150	10.335	16.370	16.400	0.291	4.790	1.774	90.200
64	3.200	10.499	13.480	13.486	0.291	1.020	2.158	60.600
65	3.250	10.663	11.480	11.467	0.311	-2.080	2.712	54.400
66	3.300	10.827	12.520	12.516	0.205	-0.620	1.638	51.600
67	3.350	10.991	50.290	50.303	0.276	2.060	0.549	41.200
68	3.400	11.155	37.660	37.664	0.310	0.570	0.823	33.400
69	3.450	11.319	20.680	20.681	0.436	0.200	2.108	33.400
70	3.500	11.483	12.000	11.981	0.313	-2.990	2.612	24.500
71	3.550	11.647	23.490	23.509	0.273	3.020	1.161	24.900
72	3.600	11.811	16.210	16.212	0.293	0.340	1.807	20.500
73	3.650	11.975	12.700	12.712	0.144	1.930	1.133	29.100
74	3.700	12.139	19.260	19.265	0.184	0.840	0.955	18.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	16.700	16.714	0.152	2.320	0.909	22.900
76	3.800	12.467	19.930	19.947	0.380	2.660	1.905	12.500
77	3.850	12.631	23.340	23.365	0.433	3.950	1.853	9.400
78	3.900	12.795	17.440	17.427	0.332	-2.140	1.905	11.300
79	3.950	12.959	13.830	13.841	0.338	1.830	2.442	8.000
80	4.000	13.123	19.680	19.679	0.329	-0.170	1.672	13.400
81	4.050	13.287	39.340	39.345	0.356	0.830	0.905	10.700
82	4.100	13.451	43.190	43.188	1.033	-0.330	2.392	11.000
83	4.150	13.615	50.000	50.050	0.866	7.970	1.730	12.100
84	4.200	13.779	30.770	30.777	0.567	1.160	1.842	17.000
85	4.250	13.943	25.160	25.165	0.180	0.850	0.715	16.000
86	4.300	14.107	33.340	33.351	0.328	1.690	0.983	28.900
87	4.350	14.271	29.000	29.028	0.305	4.510	1.051	23.500
88	4.400	14.436	44.280	44.309	0.463	4.690	1.045	13.400
89	4.450	14.600	58.260	58.280	0.728	3.280	1.249	44.800
90	4.500	14.764	68.910	68.914	0.876	0.680	1.271	22.700
91	4.550	14.928	81.490	81.503	1.220	2.020	1.497	20.100
92	4.600	15.092	74.780	74.817	1.338	5.980	1.788	31.700
93	4.650	15.256	79.360	79.399	1.470	6.220	1.851	35.500
94	4.700	15.420	53.310	53.343	1.285	5.280	2.409	45.100
95	4.750	15.584	25.070	25.128	1.113	9.290	4.429	42.400
96	4.800	15.748	21.020	21.206	0.823	29.760	3.881	45.000
97	4.850	15.912	42.480	42.835	0.935	56.800	2.183	32.600
98	4.900	16.076	50.080	50.160	0.910	12.880	1.814	26.300
99	4.950	16.240	60.020	60.128	1.472	17.370	2.448	20.600
100	5.000	16.404	58.540	58.578	1.341	6.070	2.289	19.900
101	5.050	16.568	54.840	54.906	0.985	10.520	1.794	16.200
102	5.100	16.732	39.020	38.994	0.692	-4.150	1.775	19.500
103	5.150	16.896	12.460	12.463	0.566	0.410	4.542	18.200
104	5.200	17.060	13.050	13.080	0.511	4.830	3.907	16.000
105	5.250	17.224	18.780	18.833	0.492	8.510	2.612	21.700
106	5.300	17.388	26.180	26.226	0.760	7.400	2.898	15.800
107	5.350	17.552	59.020	59.023	1.004	0.520	1.701	16.700
108	5.400	17.716	68.550	68.572	1.232	3.500	1.797	23.700
109	5.450	17.880	47.130	47.143	1.219	2.130	2.586	34.400
110	5.500	18.044	51.420	51.479	1.388	9.390	2.696	29.700
111	5.550	18.208	31.600	31.626	0.959	4.230	3.032	36.800
112	5.600	18.372	15.570	15.597	0.647	4.300	4.148	50.100
113	5.650	18.537	19.570	19.700	0.596	20.890	3.025	63.400
114	5.700	18.701	67.640	67.720	0.651	12.860	0.961	82.100
115	5.750	18.865	95.970	95.996	0.894	4.150	0.931	77.400
116	5.800	19.029	98.870	98.879	1.088	1.520	1.100	72.900
117	5.850	19.193	80.920	80.920	1.155	-0.010	1.427	61.200
118	5.900	19.357	58.700	58.692	1.259	-1.260	2.145	59.900
119	5.950	19.521	44.470	44.459	1.055	-1.810	2.373	47.900
120	6.000	19.685	29.620	29.600	0.900	-3.280	3.041	44.400
121	6.050	19.849	48.760	48.742	0.744	-2.880	1.526	46.000
122	6.100	20.013	58.760	58.772	0.973	1.900	1.656	48.100
123	6.150	20.177	64.490	64.486	1.569	-0.680	2.433	54.100
124	6.200	20.341	42.900	42.983	1.319	13.260	3.069	54.800
125	6.250	20.505	71.490	71.526	1.511	5.710	2.113	52.400
126	6.300	20.669	86.980	86.998	0.909	2.880	1.045	63.800
127	6.350	20.833	85.110	85.151	0.717	6.510	0.842	61.500
128	6.400	20.997	40.050	40.069	0.472	3.080	1.178	62.700
129	6.450	21.161	46.650	46.649	0.575	-0.170	1.233	63.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	42.660	42.660	0.710	0.050	1.664	75.500
131	6.550	21.489	33.580	33.659	0.719	12.700	2.136	73.000
132	6.600	21.653	49.240	49.287	0.645	7.450	1.309	76.100
133	6.650	21.817	38.720	38.751	0.667	4.970	1.721	69.900
134	6.700	21.981	21.970	21.989	0.631	3.060	2.870	73.400
135	6.750	22.145	39.240	39.262	0.348	3.480	0.886	77.900
136	6.800	22.309	41.520	41.527	0.491	1.090	1.182	84.100
137	6.850	22.473	28.300	28.321	0.361	3.330	1.275	83.600
138	6.900	22.638	29.670	29.686	0.302	2.550	1.017	84.300
139	6.950	22.802	36.460	36.479	0.333	3.050	0.913	80.300
140	7.000	22.966	44.550	44.577	0.387	4.290	0.868	82.700
141	7.050	23.130	52.330	52.363	0.451	5.270	0.861	76.500
142	7.100	23.294	59.860	59.907	0.564	7.570	0.941	82.600
143	7.150	23.458	71.520	71.589	0.657	10.980	0.918	81.100
144	7.200	23.622	76.500	76.560	0.685	9.690	0.895	75.300
145	7.250	23.786	75.230	75.281	0.729	8.230	0.968	73.000
146	7.300	23.950	70.660	70.707	0.846	7.500	1.196	69.400
147	7.350	24.114	72.800	72.846	1.987	7.380	2.728	67.500
148	7.400	24.278	89.120	89.169	2.196	7.910	2.463	59.600
149	7.450	24.442	100.390	100.486	1.389	15.360	1.382	44.000
150	7.500	24.606	211.870	211.991	1.444	19.320	0.681	33.600
151	7.550	24.770	291.110	291.168	1.396	9.310	0.479	32.800
152	7.600	24.934	274.090	274.131	1.894	6.640	0.691	30.600
153	7.650	25.098	226.650	226.724	1.300	11.800	0.573	43.600
154	7.700	25.262	190.440	190.485	2.249	7.280	1.181	34.800
155	7.750	25.426	224.920	224.953	1.689	5.260	0.751	39.800
156	7.800	25.590	261.770	261.773	1.544	0.510	0.590	43.600
157	7.850	25.754	375.010	375.059	3.257	7.820	0.868	53.300
158	7.900	25.918	317.780	317.804	3.755	3.920	1.182	53.700
159	7.950	26.082	305.640	305.701	4.391	9.750	1.436	46.000
160	8.000	26.246	244.050	244.192	4.297	22.820	1.760	53.300
161	8.050	26.410	192.730	192.950	2.885	35.220	1.495	55.200
162	8.100	26.574	172.450	172.474	3.156	3.790	1.830	55.900
163	8.150	26.739	165.170	165.163	3.762	-1.140	2.278	63.800
164	8.200	26.903	113.990	113.998	3.890	1.300	3.412	63.500
165	8.250	27.067	79.300	79.476	3.681	28.230	4.632	63.300
166	8.300	27.231	97.290	97.427	4.331	21.890	4.445	63.400
167	8.350	27.395	108.600	108.660	4.244	9.600	3.906	55.800
168	8.400	27.559	114.680	114.859	3.934	28.660	3.425	69.400
169	8.450	27.723	122.160	122.223	3.159	10.170	2.585	86.200
170	8.500	27.887	71.640	71.642	2.500	0.340	3.490	98.500
171	8.550	28.051	34.020	34.131	2.163	17.740	6.337	99.100
172	8.600	28.215	31.000	31.416	1.503	66.710	4.784	97.400
173	8.650	28.379	30.560	30.889	0.869	52.780	2.813	113.200
174	8.700	28.543	28.970	29.214	0.926	39.130	3.170	114.600
175	8.750	28.707	27.230	27.404	0.982	27.950	3.583	101.500
176	8.800	28.871	26.200	26.326	1.020	20.120	3.875	93.000
177	8.850	29.035	24.480	24.594	1.013	18.330	4.119	90.000
178	8.900	29.199	23.910	24.018	0.957	17.320	3.984	101.600
179	8.950	29.363	22.880	22.978	0.943	15.690	4.104	99.800
180	9.000	29.527	21.440	21.531	0.914	14.640	4.245	105.900
181	9.050	29.691	20.170	20.253	0.885	13.240	4.370	100.800
182	9.100	29.855	20.560	20.644	0.862	13.510	4.175	99.800
183	9.150	30.019	20.750	20.820	0.827	11.220	3.972	108.300
184	9.200	30.183	21.030	21.076	0.762	7.380	3.615	108.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	21.680	21.702	0.719	3.470	3.313	116.100
186	9.300	30.511	24.750	24.758	0.607	1.290	2.452	93.100
187	9.350	30.675	29.630	29.625	0.578	-0.810	1.951	85.000
188	9.400	30.840	32.220	32.213	0.577	-1.160	1.791	102.000
189	9.450	31.004	33.020	33.014	0.443	-0.890	1.342	86.400
190	9.500	31.168	33.900	33.897	0.355	-0.490	1.047	102.700
191	9.550	31.332	32.870	32.872	0.297	0.390	0.903	97.300
192	9.600	31.496	36.490	36.491	0.354	0.200	0.970	97.800
193	9.650	31.660	37.920	37.921	0.507	0.230	1.337	93.000
194	9.700	31.824	32.580	32.607	0.499	4.260	1.530	96.700
195	9.750	31.988	24.350	24.429	0.361	12.610	1.478	86.900
196	9.800	32.152	18.990	19.122	0.320	21.190	1.673	91.500
197	9.850	32.316	14.450	14.608	0.331	25.350	2.266	90.400
198	9.900	32.480	14.310	14.456	0.394	23.440	2.725	91.800
199	9.950	32.644	20.330	20.472	0.475	22.690	2.320	87.800
200	10.000	32.808	32.350	32.451	0.660	16.230	2.034	87.600
201	10.050	32.972	74.350	74.436	0.908	13.730	1.220	88.700
202	10.100	33.136	187.620	187.699	1.527	12.640	0.814	84.400
203	10.150	33.300	283.710	283.790	2.256	12.780	0.795	92.400
204	10.200	33.464	338.470	338.595	3.182	19.960	0.940	98.800
205	10.250	33.628	369.960	370.107	3.918	23.590	1.059	0.000
206	10.300	33.792	386.960	387.137	5.191	28.290	1.341	0.000
207	10.350	33.956	400.360	400.528	5.260	26.880	1.313	0.000
208	10.400	34.120	340.240	340.437	5.674	31.550	1.667	0.000
209	10.450	34.284	377.570	377.760	5.482	30.440	1.451	0.000
210	10.500	34.448	346.110	346.274	5.362	26.330	1.548	0.000
211	10.550	34.612	297.290	297.448	4.963	25.310	1.669	0.000
212	10.600	34.776	278.180	278.315	4.466	21.640	1.605	0.000
213	10.650	34.941	265.240	265.352	4.374	18.010	1.648	0.000
214	10.700	35.105	224.040	224.148	4.248	17.230	1.895	0.000
215	10.750	35.269	179.340	179.434	3.654	15.120	2.036	0.000
216	10.800	35.433	167.700	167.770	2.879	11.260	1.716	0.000
217	10.850	35.597	190.350	190.424	2.595	11.820	1.363	0.000
218	10.900	35.761	251.460	251.549	3.231	14.300	1.284	0.000
219	10.950	35.925	328.550	328.710	0.000	25.690	0.000	0.000
220	11.000	36.089	350.450	350.621	0.000	27.350	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221509
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-1C-8
Cone ID:	224:T1500F15U500
Operator:	DC/YB/AD
CPT Date:	Feb-19-2014
CPT Time:	15:58
CPT File:	13-53075_GP1C-8.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722066.339
Northing / Lat:	4294208.645
Elevation:	149.612
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	1.120	1.117	0.009	-0.460	0.806	28.200
2	0.100	0.328	5.970	5.977	0.006	1.150	0.100	32.600
3	0.150	0.492	8.500	8.528	0.013	4.430	0.152	44.200
4	0.200	0.656	25.670	25.688	0.013	2.830	0.051	39.500
5	0.250	0.820	31.700	31.710	0.009	1.600	0.028	47.000
6	0.300	0.984	44.760	44.765	0.010	0.760	0.022	59.200
7	0.350	1.148	27.620	27.629	0.012	1.450	0.043	64.700
8	0.400	1.312	16.570	16.573	0.010	0.410	0.060	61.000
9	0.450	1.476	11.370	11.368	0.011	-0.370	0.097	83.700
10	0.500	1.640	10.890	10.889	0.008	-0.110	0.073	83.300
11	0.550	1.804	16.480	16.481	0.013	0.230	0.079	92.900
12	0.600	1.968	23.710	23.699	0.008	-1.720	0.034	93.200
13	0.650	2.133	33.350	33.328	0.011	-3.450	0.033	89.800
14	0.700	2.297	42.450	42.415	0.009	-5.570	0.021	90.300
15	0.750	2.461	46.680	46.637	0.191	-6.900	0.410	93.600
16	0.800	2.625	48.190	48.141	0.369	-7.800	0.766	95.200
17	0.850	2.789	45.530	45.481	0.402	-7.870	0.884	96.200
18	0.900	2.953	50.410	50.358	0.432	-8.310	0.858	102.400
19	0.950	3.117	55.660	55.620	0.402	-6.480	0.723	91.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	50.280	50.274	0.419	-0.990	0.833	95.600
21	1.050	3.445	36.220	36.213	0.499	-1.100	1.378	87.200
22	1.100	3.609	27.940	27.936	0.243	-0.680	0.870	69.100
23	1.150	3.773	26.190	26.188	0.456	-0.330	1.741	60.200
24	1.200	3.937	39.650	39.648	0.335	-0.350	0.845	65.900
25	1.250	4.101	14.060	14.060	0.277	0.040	1.970	58.800
26	1.300	4.265	47.780	47.772	0.212	-1.250	0.444	49.900
27	1.350	4.429	86.880	86.876	0.368	-0.680	0.424	51.100
28	1.400	4.593	113.970	113.969	0.820	-0.230	0.719	59.000
29	1.450	4.757	132.590	132.590	0.599	0.000	0.452	59.300
30	1.500	4.921	119.830	119.827	1.222	-0.470	1.020	50.700
31	1.550	5.085	157.400	157.399	1.064	-0.180	0.676	53.100
32	1.600	5.249	199.860	199.858	1.021	-0.340	0.511	42.600
33	1.650	5.413	218.760	218.788	1.357	4.550	0.620	44.800
34	1.700	5.577	20.060	20.116	1.179	8.900	5.861	37.800
35	1.750	5.741	28.440	28.477	1.194	5.890	4.193	47.100
36	1.800	5.905	29.680	29.701	0.206	3.440	0.694	39.600
37	1.850	6.069	16.650	16.670	0.373	3.270	2.237	31.700
38	1.900	6.234	32.210	32.216	0.420	0.900	1.304	47.600
39	1.950	6.398	29.140	29.149	0.343	1.400	1.177	38.800
40	2.000	6.562	62.090	62.102	0.739	1.860	1.190	72.800
41	2.050	6.726	79.640	79.657	0.773	2.760	0.970	71.500
42	2.100	6.890	17.880	17.905	0.844	4.040	4.714	75.300
43	2.150	7.054	21.310	21.334	0.456	3.800	2.137	82.300
44	2.200	7.218	18.630	18.651	0.301	3.350	1.614	85.700
45	2.250	7.382	16.640	16.657	0.239	2.730	1.435	100.900
46	2.300	7.546	14.240	14.254	0.208	2.260	1.459	92.200
47	2.350	7.710	13.070	13.082	0.235	1.900	1.796	81.000
48	2.400	7.874	15.230	15.241	0.233	1.710	1.529	93.500
49	2.450	8.038	31.080	31.094	0.220	2.230	0.708	74.500
50	2.500	8.202	34.770	34.783	0.371	2.130	1.067	71.000
51	2.550	8.366	26.100	26.118	0.465	2.900	1.780	59.400
52	2.600	8.530	21.800	21.816	0.589	2.520	2.700	55.300
53	2.650	8.694	27.970	27.983	0.581	2.110	2.076	54.700
54	2.700	8.858	29.020	29.034	0.773	2.190	2.662	38.700
55	2.750	9.022	50.440	50.450	1.122	1.570	2.224	34.200
56	2.800	9.186	36.420	36.421	1.054	0.240	2.894	41.000
57	2.850	9.350	43.740	43.736	1.349	-0.580	3.084	41.400
58	2.900	9.514	41.560	41.595	0.896	5.540	2.154	43.600
59	2.950	9.678	64.920	64.953	1.083	5.270	1.667	49.700
60	3.000	9.842	51.200	51.213	1.103	2.060	2.154	52.500
61	3.050	10.006	29.400	29.420	1.176	3.160	3.997	50.100
62	3.100	10.170	42.900	42.921	0.973	3.420	2.267	62.900
63	3.150	10.335	26.770	26.775	0.808	0.730	3.018	69.400
64	3.200	10.499	16.500	16.517	0.715	2.670	4.329	77.000
65	3.250	10.663	13.320	13.349	0.450	4.710	3.371	77.500
66	3.300	10.827	16.780	16.792	0.543	1.890	3.234	80.700
67	3.350	10.991	15.740	15.721	0.518	-2.980	3.295	68.600
68	3.400	11.155	9.820	9.812	0.507	-1.230	5.167	56.100
69	3.450	11.319	10.620	10.617	0.232	-0.430	2.185	51.400
70	3.500	11.483	34.730	34.740	0.443	1.630	1.275	48.300
71	3.550	11.647	68.050	68.057	0.754	1.160	1.108	48.900
72	3.600	11.811	44.540	44.547	0.798	1.140	1.791	42.300
73	3.650	11.975	38.640	38.647	0.799	1.130	2.067	44.900
74	3.700	12.139	56.350	56.354	0.509	0.590	0.903	34.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	24.000	24.002	0.287	0.300	1.196	30.600
76	3.800	12.467	20.560	20.565	0.316	0.880	1.537	29.100
77	3.850	12.631	21.150	21.161	0.165	1.750	0.780	27.300
78	3.900	12.795	18.640	18.652	0.178	1.890	0.954	23.100
79	3.950	12.959	23.460	23.471	0.255	1.780	1.086	29.500
80	4.000	13.123	54.550	54.565	0.877	2.420	1.607	28.200
81	4.050	13.287	81.300	81.303	0.756	0.520	0.930	40.800
82	4.100	13.451	24.010	24.004	1.075	-0.990	4.478	45.200
83	4.150	13.615	26.980	26.990	0.725	1.560	2.686	60.300
84	4.200	13.779	17.360	17.641	0.460	44.950	2.608	64.500
85	4.250	13.943	13.840	14.066	0.279	36.210	1.983	69.100
86	4.300	14.107	18.650	18.754	0.209	16.610	1.114	67.200
87	4.350	14.271	14.740	14.768	0.263	4.540	1.781	62.500
88	4.400	14.436	34.500	34.505	0.667	0.800	1.933	45.600
89	4.450	14.600	25.140	25.178	0.595	6.140	2.363	36.800
90	4.500	14.764	16.240	16.313	0.696	11.630	4.267	18.100
91	4.550	14.928	29.730	29.768	0.406	6.140	1.364	17.400
92	4.600	15.092	26.950	26.973	0.608	3.750	2.254	18.000
93	4.650	15.256	29.530	29.549	0.577	3.110	1.953	12.100
94	4.700	15.420	31.220	31.226	0.250	0.980	0.801	18.400
95	4.750	15.584	11.840	11.838	0.285	-0.310	2.407	12.100
96	4.800	15.748	14.540	14.559	0.183	2.980	1.257	15.400
97	4.850	15.912	34.210	34.218	0.311	1.240	0.909	17.000
98	4.900	16.076	249.390	249.401	1.087	1.810	0.436	16.700
99	4.950	16.240	367.720	367.770	0.660	8.030	0.179	18.200
100	5.000	16.404	423.610	423.680	1.101	11.170	0.260	16.100
101	5.050	16.568	99.330	99.344	0.259	2.240	0.261	17.900
102	5.100	16.732	36.740	36.749	0.329	1.370	0.895	14.000
103	5.150	16.896	49.510	49.559	0.802	7.820	1.618	18.600
104	5.200	17.060	41.410	41.451	1.197	6.590	2.888	21.300
105	5.250	17.224	56.010	56.028	1.326	2.890	2.367	22.400
106	5.300	17.388	33.980	34.011	1.264	5.010	3.716	20.100
107	5.350	17.552	35.320	35.332	1.236	1.980	3.498	35.800
108	5.400	17.716	19.440	19.457	0.647	2.670	3.325	37.200
109	5.450	17.880	8.450	8.463	0.386	2.080	4.561	36.400
110	5.500	18.044	8.590	8.636	0.252	7.300	2.918	48.500
111	5.550	18.208	36.280	36.426	0.604	23.450	1.658	65.400
112	5.600	18.372	50.090	50.140	0.685	7.990	1.366	57.200
113	5.650	18.537	42.590	42.621	0.849	4.900	1.992	65.600
114	5.700	18.701	47.130	47.155	0.587	3.970	1.245	75.100
115	5.750	18.865	37.680	37.692	0.707	1.880	1.876	62.500
116	5.800	19.029	33.140	33.147	0.690	1.120	2.082	62.200
117	5.850	19.193	27.520	27.532	0.641	1.990	2.328	52.200
118	5.900	19.357	23.820	23.842	1.365	3.510	5.725	60.300
119	5.950	19.521	37.690	37.713	0.498	3.700	1.320	61.200
120	6.000	19.685	82.590	82.587	1.345	-0.540	1.629	74.700
121	6.050	19.849	67.580	67.576	1.282	-0.710	1.897	58.100
122	6.100	20.013	92.480	92.484	1.764	0.580	1.907	43.300
123	6.150	20.177	57.840	57.853	1.552	2.140	2.683	41.500
124	6.200	20.341	42.390	42.409	1.291	3.020	3.044	37.000
125	6.250	20.505	28.310	28.327	0.668	2.680	2.358	42.300
126	6.300	20.669	22.660	22.669	0.747	1.510	3.295	51.100
127	6.350	20.833	22.770	22.786	0.744	2.510	3.265	64.800
128	6.400	20.997	21.360	21.402	0.858	6.700	4.009	65.100
129	6.450	21.161	27.450	27.465	0.616	2.340	2.243	59.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	40.690	40.696	0.863	0.940	2.121	39.400
131	6.550	21.489	76.080	76.085	1.142	0.850	1.501	36.400
132	6.600	21.653	48.190	48.190	1.043	-0.070	2.164	37.900
133	6.650	21.817	33.260	33.263	0.684	0.460	2.056	27.100
134	6.700	21.981	20.570	20.572	0.511	0.370	2.484	24.700
135	6.750	22.145	25.780	25.782	0.707	0.390	2.742	23.600
136	6.800	22.309	26.730	26.736	0.688	0.960	2.573	24.400
137	6.850	22.473	51.460	51.465	0.973	0.830	1.891	34.300
138	6.900	22.638	56.950	56.959	0.814	1.510	1.429	28.900
139	6.950	22.802	25.280	25.291	0.812	1.700	3.211	25.700
140	7.000	22.966	34.720	34.730	0.508	1.620	1.463	29.600
141	7.050	23.130	20.520	20.523	0.553	0.490	2.695	39.600
142	7.100	23.294	43.630	43.632	0.674	0.360	1.545	51.200
143	7.150	23.458	57.380	57.381	1.079	0.090	1.880	55.900
144	7.200	23.622	89.690	89.689	1.234	-0.180	1.376	58.200
145	7.250	23.786	37.790	37.803	1.133	2.010	2.997	77.700
146	7.300	23.950	48.000	48.008	0.895	1.240	1.864	85.400
147	7.350	24.114	43.810	43.815	0.769	0.810	1.755	73.600
148	7.400	24.278	54.700	54.709	0.868	1.470	1.587	88.000
149	7.450	24.442	70.410	70.419	0.960	1.480	1.363	83.100
150	7.500	24.606	62.340	62.342	1.120	0.340	1.797	70.900
151	7.550	24.770	49.860	49.854	1.121	-1.030	2.249	58.200
152	7.600	24.934	50.810	50.801	1.059	-1.480	2.085	47.400
153	7.650	25.098	83.970	83.963	1.459	-1.060	1.738	41.600
154	7.700	25.262	86.020	86.012	1.780	-1.310	2.069	29.700
155	7.750	25.426	45.220	45.217	1.494	-0.530	3.304	26.800
156	7.800	25.590	89.750	89.734	1.154	-2.570	1.286	22.400
157	7.850	25.754	84.980	84.995	1.676	2.420	1.972	15.100
158	7.900	25.918	127.190	127.188	2.925	-0.260	2.300	17.500
159	7.950	26.082	165.270	165.267	1.738	-0.440	1.052	15.200
160	8.000	26.246	68.200	68.198	0.361	-0.400	0.529	16.800
161	8.050	26.410	75.130	75.144	0.403	2.180	0.536	14.100
162	8.100	26.574	86.540	86.544	1.082	0.710	1.250	21.800
163	8.150	26.739	43.390	43.394	0.754	0.590	1.738	17.200
164	8.200	26.903	73.080	73.077	0.577	-0.540	0.790	14.800
165	8.250	27.067	50.770	50.764	1.181	-0.950	2.326	28.000
166	8.300	27.231	34.110	34.109	1.886	-0.090	5.529	16.800
167	8.350	27.395	73.290	73.288	0.734	-0.380	1.002	29.100
168	8.400	27.559	59.110	59.116	0.027	1.020	0.046	26.100
169	8.450	27.723	19.090	19.093	0.618	0.510	3.237	38.500
170	8.500	27.887	33.230	33.253	0.194	3.670	0.583	53.200
171	8.550	28.051	60.780	60.780	0.486	-0.020	0.800	56.700
172	8.600	28.215	62.560	62.568	0.538	1.240	0.860	63.200
173	8.650	28.379	41.420	41.438	0.613	2.900	1.479	63.800
174	8.700	28.543	38.270	38.286	0.809	2.510	2.113	90.700
175	8.750	28.707	33.760	33.778	0.762	2.930	2.256	85.400
176	8.800	28.871	32.320	32.348	0.755	4.490	2.334	101.500
177	8.850	29.035	34.400	34.419	0.788	3.060	2.289	91.400
178	8.900	29.199	35.470	35.489	0.800	2.970	2.254	90.300
179	8.950	29.363	35.900	35.926	0.859	4.230	2.391	88.300
180	9.000	29.527	35.090	35.113	0.884	3.690	2.518	90.300
181	9.050	29.691	31.230	31.257	0.853	4.280	2.729	88.100
182	9.100	29.855	31.820	31.846	0.820	4.210	2.575	75.600
183	9.150	30.019	31.480	31.514	0.855	5.470	2.713	74.400
184	9.200	30.183	32.690	32.732	1.413	6.650	4.317	64.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	56.870	56.909	1.187	6.290	2.086	54.300
186	9.300	30.511	114.470	114.489	1.549	3.020	1.353	39.600
187	9.350	30.675	138.390	138.408	2.368	2.940	1.711	42.600
188	9.400	30.840	144.360	144.398	2.429	6.130	1.682	33.300
189	9.450	31.004	169.430	169.475	1.677	7.130	0.990	44.700
190	9.500	31.168	165.830	165.876	1.065	7.320	0.642	51.000
191	9.550	31.332	145.420	145.438	0.774	2.900	0.532	62.600
192	9.600	31.496	77.070	77.092	1.398	3.600	1.813	66.000
193	9.650	31.660	52.860	52.909	1.298	7.800	2.453	57.800
194	9.700	31.824	55.200	55.253	1.285	8.460	2.326	57.700
195	9.750	31.988	77.320	77.384	1.657	10.220	2.141	52.600
196	9.800	32.152	109.870	109.938	1.985	10.920	1.806	68.000
197	9.850	32.316	119.130	119.193	2.364	10.080	1.983	84.700
198	9.900	32.480	83.590	83.654	2.015	10.190	2.409	81.000
199	9.950	32.644	80.810	80.871	1.728	9.770	2.137	55.700
200	10.000	32.808	97.640	97.697	3.312	9.150	3.390	61.100
201	10.050	32.972	173.080	173.135	3.112	8.850	1.797	55.800
202	10.100	33.136	109.350	109.353	2.385	0.420	2.181	53.700
203	10.150	33.300	78.060	78.082	1.141	3.500	1.461	58.600
204	10.200	33.464	73.910	73.938	1.371	4.470	1.854	55.400
205	10.250	33.628	91.580	91.607	1.137	4.350	1.241	61.900
206	10.300	33.792	29.080	29.111	1.080	5.040	3.710	75.800
207	10.350	33.956	25.840	25.889	0.940	7.880	3.631	82.500
208	10.400	34.120	38.420	38.477	1.116	9.070	2.900	66.500
209	10.450	34.284	56.940	57.003	1.201	10.140	2.107	83.700
210	10.500	34.448	30.600	30.673	1.132	11.620	3.691	86.000
211	10.550	34.612	30.940	31.017	0.836	12.290	2.695	91.100
212	10.600	34.776	42.130	42.215	0.813	13.540	1.926	84.400
213	10.650	34.941	37.700	37.784	0.948	13.430	2.509	88.800
214	10.700	35.105	32.230	32.317	0.993	13.970	3.073	88.600
215	10.750	35.269	38.630	38.720	1.083	14.490	2.797	77.200
216	10.800	35.433	67.840	67.934	1.486	15.020	2.187	83.600
217	10.850	35.597	82.580	82.669	1.374	14.300	1.662	86.000
218	10.900	35.761	116.460	116.578	2.032	18.870	1.743	84.800
219	10.950	35.925	136.230	136.333	2.540	16.550	1.863	77.000
220	11.000	36.089	112.860	112.959	2.856	15.890	2.528	68.900
221	11.050	36.253	83.640	83.731	2.451	14.570	2.927	66.700
222	11.100	36.417	65.490	65.572	2.052	13.180	3.129	59.900
223	11.150	36.581	62.520	62.592	1.706	11.480	2.726	47.300
224	11.200	36.745	54.300	54.369	1.442	10.980	2.652	49.200
225	11.250	36.909	72.420	72.482	1.964	9.920	2.710	54.000
226	11.300	37.073	99.620	99.677	1.807	9.190	1.813	56.900
227	11.350	37.237	46.450	46.503	1.886	8.470	4.056	67.900
228	11.400	37.401	62.090	62.150	1.226	9.690	1.973	75.300
229	11.450	37.565	78.410	78.471	1.173	9.760	1.495	69.300
230	11.500	37.729	79.740	79.797	0.934	9.160	1.170	61.200
231	11.550	37.893	60.010	60.065	1.199	8.860	1.996	61.000
232	11.600	38.057	78.310	78.357	1.013	7.550	1.293	47.800
233	11.650	38.221	84.350	84.388	0.714	6.130	0.846	40.900
234	11.700	38.385	108.980	109.022	1.771	6.670	1.624	35.700
235	11.750	38.549	102.850	102.900	1.678	8.070	1.631	35.100
236	11.800	38.713	88.250	88.276	1.920	4.210	2.175	35.300
237	11.850	38.877	108.270	108.293	1.329	3.720	1.227	26.600
238	11.900	39.042	42.280	42.303	1.133	3.700	2.678	27.200
239	11.950	39.206	56.210	56.232	0.845	3.520	1.503	24.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	43.960	43.974	0.675	2.300	1.535	29.000
241	12.050	39.534	54.030	54.037	1.202	1.050	2.224	0.000
242	12.100	39.698	66.850	66.855	0.912	0.840	1.364	0.000
243	12.150	39.862	67.620	67.622	0.617	0.390	0.912	0.000
244	12.200	40.026	92.040	92.050	0.419	1.540	0.455	0.000
245	12.250	40.190	96.920	96.936	1.580	2.590	1.630	0.000
246	12.300	40.354	83.960	83.975	1.377	2.460	1.640	0.000
247	12.350	40.518	82.610	82.622	1.054	1.990	1.276	0.000
248	12.400	40.682	45.210	45.222	1.143	1.850	2.528	0.000
249	12.450	40.846	77.120	77.134	0.547	2.200	0.709	0.000
250	12.500	41.010	189.410	189.423	0.974	2.130	0.514	0.000
251	12.550	41.174	248.030	248.045	0.799	2.480	0.322	0.000
252	12.600	41.338	159.760	159.769	1.072	1.460	0.671	0.000
253	12.650	41.502	115.660	115.671	1.375	1.750	1.189	0.000
254	12.700	41.666	88.500	88.512	1.603	1.920	1.811	0.000
255	12.750	41.830	79.130	79.142	0.000	2.000	0.000	0.000
256	12.800	41.994	349.240	349.258	0.000	2.830	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221511
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-1C-9
Cone ID:	224:T1500F15U500
Operator:	DC/YB/AD
CPT Date:	Feb-17-2014
CPT Time:	17:13
CPT File:	13-53075_GP1C-9.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722076.861
Northing / Lat:	4294214.460
Elevation:	150.834
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	14.070	14.088	0.003	2.870	0.021	31.100
2	0.100	0.328	36.010	36.018	0.003	1.300	0.008	38.800
3	0.150	0.492	43.050	43.098	0.003	7.710	0.007	38.000
4	0.200	0.656	34.920	34.916	0.002	-0.590	0.006	43.200
5	0.250	0.820	43.890	43.904	0.001	2.270	0.002	39.100
6	0.300	0.984	102.930	102.980	0.003	8.020	0.003	48.700
7	0.350	1.148	104.950	104.985	0.002	5.660	0.002	68.500
8	0.400	1.312	93.970	95.828	0.006	297.560	0.006	53.800
9	0.450	1.476	90.810	92.443	0.007	261.540	0.008	64.900
10	0.500	1.640	70.160	70.559	0.003	63.980	0.004	60.800
11	0.550	1.804	56.650	56.691	0.208	6.570	0.367	67.100
12	0.600	1.968	47.890	47.929	0.329	6.290	0.686	59.300
13	0.650	2.133	51.920	51.928	0.559	1.330	1.076	61.000
14	0.700	2.297	53.550	53.666	0.502	18.520	0.935	66.300
15	0.750	2.461	44.500	44.499	0.601	-0.090	1.351	76.200
16	0.800	2.625	36.980	36.976	0.662	-0.710	1.790	71.100
17	0.850	2.789	26.910	26.911	0.653	0.220	2.426	77.500
18	0.900	2.953	22.490	22.506	0.633	2.550	2.813	85.300
19	0.950	3.117	16.730	16.733	0.630	0.520	3.765	88.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	15.730	15.732	0.561	0.260	3.566	83.500
21	1.050	3.445	19.960	19.959	0.670	-0.140	3.357	79.300
22	1.100	3.609	39.030	39.048	0.658	2.870	1.685	76.700
23	1.150	3.773	33.260	33.248	0.677	-1.930	2.036	62.700
24	1.200	3.937	23.570	23.541	0.564	-4.660	2.396	52.100
25	1.250	4.101	17.130	17.119	0.336	-1.800	1.963	42.000
26	1.300	4.265	18.740	18.787	0.260	7.510	1.384	36.100
27	1.350	4.429	20.750	20.755	0.409	0.760	1.971	32.100
28	1.400	4.593	60.920	60.952	0.996	5.170	1.634	26.700
29	1.450	4.757	124.360	124.408	1.186	7.660	0.953	24.100
30	1.500	4.921	74.880	75.015	1.159	21.680	1.545	17.300
31	1.550	5.085	126.850	126.862	0.778	1.960	0.613	21.900
32	1.600	5.249	162.100	162.455	1.157	56.810	0.712	18.200
33	1.650	5.413	152.000	152.005	1.439	0.850	0.947	20.700
34	1.700	5.577	68.070	68.073	1.446	0.430	2.124	23.700
35	1.750	5.741	50.050	50.232	0.724	29.200	1.441	17.900
36	1.800	5.905	46.850	46.831	0.669	-3.100	1.429	16.200
37	1.850	6.069	24.310	24.306	0.771	-0.670	3.172	14.800
38	1.900	6.234	21.110	21.135	0.845	3.940	3.998	9.300
39	1.950	6.398	27.860	27.853	0.476	-1.180	1.709	16.500
40	2.000	6.562	68.260	68.287	0.674	4.330	0.987	9.400
41	2.050	6.726	62.100	62.180	0.763	12.740	1.227	18.200
42	2.100	6.890	31.130	31.131	0.626	0.140	2.011	15.700
43	2.150	7.054	48.490	48.536	0.561	7.420	1.156	17.900
44	2.200	7.218	96.310	96.300	0.529	-1.600	0.549	16.800
45	2.250	7.382	73.680	73.837	1.089	25.130	1.475	17.400
46	2.300	7.546	60.020	60.032	1.487	1.900	2.477	12.800
47	2.350	7.710	31.760	31.769	1.383	1.430	4.353	24.000
48	2.400	7.874	28.390	28.396	2.222	0.950	7.825	15.200
49	2.450	8.038	60.440	60.467	2.455	4.330	4.060	17.000
50	2.500	8.202	116.700	116.691	1.394	-1.410	1.195	13.200
51	2.550	8.366	61.920	61.939	0.727	3.000	1.174	16.300
52	2.600	8.530	18.570	18.573	0.029	0.480	0.156	23.000
53	2.650	8.694	42.240	42.245	0.047	0.840	0.111	18.000
54	2.700	8.858	60.770	60.793	0.903	3.670	1.485	21.100
55	2.750	9.022	109.950	109.950	1.385	0.050	1.260	27.600
56	2.800	9.186	63.020	63.024	1.787	0.720	2.835	28.100
57	2.850	9.350	30.210	30.191	1.354	-3.060	4.485	38.500
58	2.900	9.514	35.990	36.008	0.968	2.840	2.688	45.100
59	2.950	9.678	52.970	53.001	0.830	4.900	1.566	50.000
60	3.000	9.842	74.100	74.090	0.399	-1.680	0.539	60.600
61	3.050	10.006	59.040	59.068	0.633	4.430	1.072	77.400
62	3.100	10.170	74.550	74.598	0.657	7.650	0.881	88.800
63	3.150	10.335	84.890	84.968	0.862	12.510	1.014	106.000
64	3.200	10.499	82.070	82.139	1.013	11.000	1.233	105.500
65	3.250	10.663	66.810	66.815	1.022	0.750	1.530	91.900
66	3.300	10.827	52.340	52.320	1.090	-3.130	2.083	95.200
67	3.350	10.991	52.420	52.425	1.077	0.870	2.054	82.000
68	3.400	11.155	58.670	58.642	0.979	-4.490	1.669	76.000
69	3.450	11.319	58.330	58.293	0.794	-5.920	1.362	78.600
70	3.500	11.483	40.520	40.518	0.366	-0.360	0.903	63.000
71	3.550	11.647	28.820	28.826	0.305	0.940	1.058	70.000
72	3.600	11.811	18.850	18.894	0.360	7.040	1.905	46.500
73	3.650	11.975	24.100	24.112	0.414	2.000	1.717	46.500
74	3.700	12.139	35.840	35.837	0.600	-0.470	1.674	49.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	32.170	32.173	0.745	0.530	2.316	47.200
76	3.800	12.467	26.990	27.004	0.743	2.280	2.751	56.700
77	3.850	12.631	37.470	37.357	0.551	-18.070	1.475	56.900
78	3.900	12.795	42.010	41.997	0.631	-2.140	1.503	62.300
79	3.950	12.959	48.380	48.368	0.585	-1.970	1.209	63.700
80	4.000	13.123	45.110	45.253	0.703	22.840	1.554	73.900
81	4.050	13.287	67.400	67.401	0.888	0.190	1.317	78.400
82	4.100	13.451	75.720	75.733	1.204	2.040	1.590	91.800
83	4.150	13.615	87.220	87.216	1.598	-0.600	1.832	89.100
84	4.200	13.779	96.200	96.157	1.901	-6.890	1.977	104.600
85	4.250	13.943	92.510	92.514	1.872	0.590	2.023	83.100
86	4.300	14.107	89.330	89.322	1.951	-1.250	2.184	83.000
87	4.350	14.271	83.420	83.401	1.905	-3.090	2.284	79.700
88	4.400	14.436	76.520	76.515	2.188	-0.860	2.860	94.400
89	4.450	14.600	71.720	71.683	2.134	-5.900	2.977	91.300
90	4.500	14.764	49.640	49.577	1.689	-10.130	3.407	90.600
91	4.550	14.928	46.340	46.350	1.262	1.580	2.723	105.100
92	4.600	15.092	29.430	29.405	1.019	-3.930	3.465	103.100
93	4.650	15.256	22.090	22.075	0.797	-2.380	3.610	76.600
94	4.700	15.420	22.910	22.897	0.592	-2.080	2.585	70.500
95	4.750	15.584	22.570	22.561	0.511	-1.490	2.265	79.000
96	4.800	15.748	24.750	24.777	0.522	4.370	2.107	73.500
97	4.850	15.912	33.350	33.389	0.810	6.320	2.426	74.500
98	4.900	16.076	34.330	34.350	0.941	3.150	2.739	61.700
99	4.950	16.240	40.690	40.643	0.975	-7.550	2.399	69.800
100	5.000	16.404	27.650	27.694	1.242	7.060	4.485	62.800
101	5.050	16.568	33.220	33.263	1.084	6.850	3.259	54.100
102	5.100	16.732	31.690	31.635	1.032	-8.880	3.262	39.200
103	5.150	16.896	27.630	27.604	0.893	-4.190	3.235	31.800
104	5.200	17.060	44.110	44.119	0.776	1.500	1.759	29.600
105	5.250	17.224	14.380	14.453	0.650	11.640	4.497	23.100
106	5.300	17.388	24.630	24.624	0.727	-1.010	2.952	23.700
107	5.350	17.552	31.770	31.786	0.801	2.570	2.520	20.400
108	5.400	17.716	24.700	24.750	0.972	8.030	3.927	20.700
109	5.450	17.880	26.340	26.403	1.024	10.130	3.878	18.200
110	5.500	18.044	24.900	25.175	0.987	44.070	3.921	12.000
111	5.550	18.208	26.130	26.485	1.229	56.830	4.640	17.600
112	5.600	18.372	30.550	31.049	1.658	79.890	5.340	24.200
113	5.650	18.537	29.520	29.924	1.988	64.710	6.644	26.000
114	5.700	18.701	33.080	33.736	1.579	105.140	4.680	40.300
115	5.750	18.865	34.560	35.083	1.406	83.730	4.008	60.600
116	5.800	19.029	37.600	37.604	1.061	0.620	2.822	72.800
117	5.850	19.193	23.310	23.490	0.778	28.910	3.312	71.300
118	5.900	19.357	23.260	23.422	0.559	26.030	2.387	75.400
119	5.950	19.521	22.840	22.903	0.704	10.140	3.074	70.700
120	6.000	19.685	20.800	20.792	0.839	-1.300	4.035	75.200
121	6.050	19.849	18.330	18.417	0.671	13.870	3.643	66.800
122	6.100	20.013	21.980	22.078	0.651	15.700	2.949	65.600
123	6.150	20.177	23.040	23.048	0.613	1.320	2.660	59.800
124	6.200	20.341	20.640	20.701	0.710	9.800	3.430	72.700
125	6.250	20.505	61.380	61.399	0.895	3.030	1.458	78.800
126	6.300	20.669	57.680	57.715	1.038	5.660	1.798	86.100
127	6.350	20.833	52.890	52.974	1.319	13.480	2.490	90.800
128	6.400	20.997	64.300	64.413	1.120	18.120	1.739	80.100
129	6.450	21.161	69.960	69.991	1.099	4.920	1.570	78.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	69.690	69.730	0.863	6.400	1.238	66.700
131	6.550	21.489	59.290	59.305	1.284	2.400	2.165	53.600
132	6.600	21.653	71.580	71.600	1.366	3.150	1.908	39.000
133	6.650	21.817	45.590	45.693	1.474	16.550	3.226	38.500
134	6.700	21.981	42.840	42.957	1.613	18.680	3.755	35.400
135	6.750	22.145	30.790	30.922	1.283	21.180	4.149	44.100
136	6.800	22.309	26.610	26.652	1.127	6.680	4.229	39.200
137	6.850	22.473	20.280	20.285	0.788	0.830	3.885	46.300
138	6.900	22.638	20.620	20.609	0.673	-1.720	3.266	57.100
139	6.950	22.802	16.270	16.328	0.694	9.330	4.250	63.000
140	7.000	22.966	22.960	23.169	0.884	33.410	3.816	75.600
141	7.050	23.130	37.320	37.321	0.926	0.150	2.481	68.000
142	7.100	23.294	30.350	30.320	1.042	-4.830	3.437	59.400
143	7.150	23.458	26.140	26.127	0.909	-2.110	3.479	47.300
144	7.200	23.622	27.110	27.139	0.825	4.620	3.040	44.900
145	7.250	23.786	40.890	40.880	0.888	-1.580	2.172	48.400
146	7.300	23.950	19.280	19.300	0.707	3.140	3.663	51.300
147	7.350	24.114	8.760	8.742	0.551	-2.900	6.303	55.700
148	7.400	24.278	13.090	13.086	0.711	-0.630	5.433	64.800
149	7.450	24.442	20.020	20.058	0.630	6.030	3.141	57.500
150	7.500	24.606	42.500	42.452	1.643	-7.670	3.870	65.400
151	7.550	24.770	62.350	62.355	1.263	0.840	2.025	79.500
152	7.600	24.934	165.690	165.687	3.562	-0.560	2.150	75.500
153	7.650	25.098	107.840	107.908	3.168	10.830	2.936	88.700
154	7.700	25.262	114.160	114.255	3.061	15.240	2.679	96.700
155	7.750	25.426	106.350	106.388	2.327	6.030	2.187	97.600
156	7.800	25.590	94.200	94.217	2.176	2.730	2.310	89.300
157	7.850	25.754	69.470	69.478	2.039	1.240	2.935	83.800
158	7.900	25.918	43.370	43.380	1.710	1.590	3.942	76.100
159	7.950	26.082	46.720	46.734	1.420	2.200	3.038	66.900
160	8.000	26.246	43.640	43.600	1.202	-6.440	2.757	66.700
161	8.050	26.410	37.930	37.948	1.135	2.940	2.991	72.900
162	8.100	26.574	31.500	31.521	1.004	3.300	3.185	60.300
163	8.150	26.739	22.700	22.675	0.786	-3.960	3.466	58.600
164	8.200	26.903	16.760	16.758	0.559	-0.300	3.336	76.500
165	8.250	27.067	14.560	14.553	0.555	-1.160	3.814	82.200
166	8.300	27.231	19.910	19.934	0.625	3.900	3.135	75.200
167	8.350	27.395	28.890	28.932	0.674	6.690	2.330	96.800
168	8.400	27.559	39.720	39.772	0.771	8.260	1.939	91.800
169	8.450	27.723	34.620	34.660	1.002	6.430	2.891	93.500
170	8.500	27.887	27.810	27.875	0.830	10.380	2.978	95.100
171	8.550	28.051	31.060	31.151	0.670	14.570	2.151	85.500
172	8.600	28.215	36.680	36.741	0.979	9.720	2.665	66.700
173	8.650	28.379	28.880	28.884	1.329	0.670	4.601	50.800
174	8.700	28.543	38.230	38.309	1.514	12.620	3.952	45.400
175	8.750	28.707	71.060	71.114	1.722	8.710	2.421	38.100
176	8.800	28.871	82.970	83.127	1.813	25.110	2.181	32.000
177	8.850	29.035	78.840	79.222	2.864	61.230	3.615	32.900
178	8.900	29.199	89.890	89.905	2.437	2.460	2.711	37.300
179	8.950	29.363	32.430	32.425	2.152	-0.820	6.637	41.800
180	9.000	29.527	64.090	64.129	1.508	6.290	2.352	56.200
181	9.050	29.691	39.380	39.563	1.223	29.390	3.091	68.100
182	9.100	29.855	13.840	14.184	0.897	55.120	6.324	71.000
183	9.150	30.019	20.180	20.771	0.533	94.610	2.566	68.600
184	9.200	30.183	24.180	24.420	0.612	38.380	2.506	62.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	26.570	26.741	0.709	27.340	2.651	41.400
186	9.300	30.511	43.940	44.062	0.994	19.560	2.256	33.500
187	9.350	30.675	52.260	52.248	1.375	-1.940	2.632	26.400
188	9.400	30.840	45.150	45.232	1.670	13.080	3.692	25.100
189	9.450	31.004	73.090	73.183	1.658	14.930	2.266	18.600
190	9.500	31.168	93.550	93.540	1.750	-1.540	1.871	18.700
191	9.550	31.332	79.980	80.080	1.759	16.070	2.197	19.400
192	9.600	31.496	64.430	64.558	1.686	20.460	2.612	14.800
193	9.650	31.660	55.720	55.812	1.652	14.710	2.960	19.400
194	9.700	31.824	59.090	59.194	0.993	16.680	1.678	16.900
195	9.750	31.988	46.260	46.333	1.224	11.640	2.642	17.700
196	9.800	32.152	56.770	56.793	0.489	3.750	0.861	22.500
197	9.850	32.316	65.740	65.739	0.853	-0.240	1.298	29.600
198	9.900	32.480	81.850	81.905	1.272	8.860	1.553	24.500
199	9.950	32.644	49.930	49.940	1.199	1.640	2.401	29.600
200	10.000	32.808	46.560	46.616	1.283	9.010	2.752	41.500
201	10.050	32.972	72.740	72.744	0.765	0.630	1.052	42.300
202	10.100	33.136	97.990	97.987	0.938	-0.530	0.957	50.200
203	10.150	33.300	48.950	48.978	0.797	4.490	1.627	64.000
204	10.200	33.464	41.520	41.583	0.929	10.170	2.234	85.700
205	10.250	33.628	36.770	36.798	0.923	4.440	2.508	84.000
206	10.300	33.792	35.130	35.154	1.102	3.800	3.135	92.400
207	10.350	33.956	38.540	38.554	0.990	2.300	2.568	78.800
208	10.400	34.120	33.550	33.562	1.056	2.000	3.146	70.000
209	10.450	34.284	36.430	36.445	1.057	2.440	2.900	50.300
210	10.500	34.448	70.680	70.696	0.989	2.510	1.399	64.000
211	10.550	34.612	98.450	98.445	1.147	-0.750	1.165	46.200
212	10.600	34.776	120.870	120.877	1.675	1.190	1.386	44.800
213	10.650	34.941	129.570	129.573	2.116	0.520	1.633	51.200
214	10.700	35.105	127.040	127.064	1.829	3.790	1.439	70.700
215	10.750	35.269	99.510	99.495	1.012	-2.450	1.017	76.400
216	10.800	35.433	40.180	40.363	0.643	29.250	1.593	76.900
217	10.850	35.597	36.690	36.774	0.428	13.510	1.164	88.500
218	10.900	35.761	75.260	75.303	0.527	6.840	0.700	79.100
219	10.950	35.925	50.730	50.768	0.435	6.070	0.857	80.200
220	11.000	36.089	33.550	33.574	0.319	3.770	0.950	80.800
221	11.050	36.253	25.010	25.023	0.241	2.160	0.963	76.200
222	11.100	36.417	20.950	20.961	0.226	1.820	1.078	62.900
223	11.150	36.581	21.770	21.777	0.441	1.140	2.025	58.700
224	11.200	36.745	41.580	41.593	0.388	2.100	0.933	61.500
225	11.250	36.909	67.190	67.198	0.678	1.220	1.009	63.500
226	11.300	37.073	64.010	64.019	0.940	1.460	1.468	51.100
227	11.350	37.237	40.930	40.957	0.858	4.310	2.095	54.000
228	11.400	37.401	47.440	47.471	0.951	5.000	2.003	49.100
229	11.450	37.565	72.090	72.136	1.411	7.370	1.956	51.200
230	11.500	37.729	134.350	134.385	2.208	5.570	1.643	52.900
231	11.550	37.893	80.820	80.821	2.252	0.120	2.786	60.300
232	11.600	38.057	69.480	69.542	1.958	9.980	2.816	73.500
233	11.650	38.221	59.770	59.773	0.832	0.510	1.392	72.300
234	11.700	38.385	73.550	73.582	0.584	5.130	0.794	85.300
235	11.750	38.549	81.640	81.668	0.655	4.540	0.802	75.700
236	11.800	38.713	87.690	87.718	0.718	4.410	0.819	87.500
237	11.850	38.877	89.840	89.871	0.935	5.040	1.040	79.300
238	11.900	39.042	90.750	90.781	1.212	4.970	1.335	92.000
239	11.950	39.206	94.530	94.557	1.378	4.360	1.457	91.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	100.620	100.644	1.605	3.920	1.595	84.900
241	12.050	39.534	111.210	111.234	1.678	3.900	1.509	94.400
242	12.100	39.698	102.060	102.082	1.711	3.550	1.676	89.000
243	12.150	39.862	95.530	95.548	1.677	2.960	1.755	73.800
244	12.200	40.026	99.360	99.382	1.808	3.460	1.819	80.800
245	12.250	40.190	108.220	108.243	2.283	3.640	2.109	80.700
246	12.300	40.354	102.510	102.555	2.724	7.170	2.656	79.700
247	12.350	40.518	109.180	109.256	2.712	12.160	2.482	87.500
248	12.400	40.682	124.660	124.712	2.466	8.360	1.977	86.800
249	12.450	40.846	121.770	121.803	2.627	5.320	2.157	72.300
250	12.500	41.010	103.260	103.301	2.981	6.550	2.886	77.400
251	12.550	41.174	102.310	102.388	2.937	12.510	2.868	54.500
252	12.600	41.338	94.140	94.185	2.677	7.190	2.842	51.500
253	12.650	41.502	110.690	110.710	3.599	3.250	3.251	34.900
254	12.700	41.666	119.550	119.595	3.267	7.180	2.732	25.700
255	12.750	41.830	109.640	109.853	4.813	34.170	4.381	28.200
256	12.800	41.994	153.660	153.656	3.951	-0.680	2.571	22.800
257	12.850	42.158	121.180	121.216	2.814	5.780	2.321	21.600
258	12.900	42.322	58.490	58.597	1.711	17.160	2.920	20.700
259	12.950	42.486	69.080	69.134	2.070	8.680	2.994	20.900
260	13.000	42.650	67.050	67.090	1.313	6.480	1.957	14.900
261	13.050	42.814	123.520	124.172	1.768	104.440	1.424	13.300
262	13.100	42.978	131.540	131.604	1.650	10.320	1.254	11.500
263	13.150	43.143	133.310	133.657	1.497	55.630	1.120	17.500
264	13.200	43.307	94.060	94.192	1.420	21.090	1.508	14.100
265	13.250	43.471	57.340	57.409	1.417	11.010	2.468	14.300
266	13.300	43.635	93.780	93.799	0.978	3.100	1.043	17.600
267	13.350	43.799	125.570	125.639	1.897	10.980	1.510	10.800
268	13.400	43.963	106.980	107.080	2.101	16.070	1.962	12.900
269	13.450	44.127	87.560	87.570	2.318	1.570	2.647	13.400
270	13.500	44.291	80.050	80.152	1.283	16.320	1.601	13.600
271	13.550	44.455	112.760	112.747	1.512	-2.070	1.341	13.500
272	13.600	44.619	80.280	80.289	1.789	1.460	2.228	15.200
273	13.650	44.783	81.380	81.428	2.007	7.730	2.465	20.300
274	13.700	44.947	50.070	50.062	1.484	-1.300	2.964	19.600
275	13.750	45.111	70.460	70.510	1.395	7.960	1.978	16.900
276	13.800	45.275	65.960	66.234	0.917	43.910	1.384	16.300
277	13.850	45.439	93.730	93.863	1.112	21.240	1.185	19.700
278	13.900	45.603	143.780	143.840	1.736	9.650	1.207	18.600
279	13.950	45.767	164.960	164.971	1.681	1.800	1.019	17.700
280	14.000	45.931	137.600	137.907	1.911	49.180	1.386	19.300
281	14.050	46.095	91.530	91.684	1.882	24.630	2.053	24.400
282	14.100	46.259	61.300	61.435	1.703	21.570	2.772	27.200
283	14.150	46.423	71.930	72.099	0.792	27.130	1.098	32.300
284	14.200	46.587	176.560	176.618	0.749	9.370	0.424	41.500
285	14.250	46.751	254.670	254.699	0.527	4.600	0.207	41.200
286	14.300	46.915	235.200	235.197	0.431	-0.530	0.183	46.400
287	14.350	47.079	150.550	150.553	1.186	0.560	0.788	50.200
288	14.400	47.244	102.650	102.646	1.089	-0.620	1.061	45.300
289	14.450	47.408	107.910	108.084	1.577	27.810	1.459	42.600
290	14.500	47.572	95.930	95.933	2.064	0.470	2.152	36.700
291	14.550	47.736	69.360	69.494	2.081	21.510	2.994	27.900
292	14.600	47.900	76.800	76.775	2.039	-3.950	2.656	29.600
293	14.650	48.064	103.880	104.267	2.346	61.960	2.250	28.200
294	14.700	48.228	125.450	125.499	2.345	7.800	1.869	33.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	75.190	75.283	2.448	14.890	3.252	23.000
296	14.800	48.556	46.640	46.703	1.876	10.070	4.017	32.200
297	14.850	48.720	58.850	59.011	1.425	25.750	2.415	35.000
298	14.900	48.884	50.860	50.861	1.696	0.110	3.335	33.500
299	14.950	49.048	113.030	113.030	2.146	0.070	1.899	36.100
300	15.000	49.212	118.200	118.188	2.222	-1.980	1.880	31.100
301	15.050	49.376	89.500	89.608	1.942	17.280	2.167	34.300
302	15.100	49.540	73.070	73.315	1.657	39.220	2.260	34.400
303	15.150	49.704	154.940	155.055	1.901	18.430	1.226	32.400
304	15.200	49.868	102.990	103.004	2.143	2.170	2.081	37.600
305	15.250	50.032	78.520	78.591	1.820	11.380	2.316	36.800
306	15.300	50.196	119.770	119.843	1.518	11.700	1.267	48.100
307	15.350	50.360	87.690	87.828	1.545	22.030	1.759	50.500
308	15.400	50.524	81.590	81.646	1.346	8.970	1.649	52.200
309	15.450	50.688	84.340	84.577	0.704	38.030	0.832	64.300
310	15.500	50.852	89.870	90.051	0.461	29.070	0.512	72.000
311	15.550	51.016	100.870	100.939	0.939	11.050	0.930	75.100
312	15.600	51.180	150.270	150.305	2.027	5.560	1.349	0.000
313	15.650	51.345	178.530	178.579	2.521	7.850	1.412	0.000
314	15.700	51.509	169.120	169.187	3.177	10.660	1.878	0.000
315	15.750	51.673	50.980	51.030	2.308	7.990	4.523	0.000
316	15.800	51.837	42.430	42.559	1.885	20.690	4.429	0.000
317	15.850	52.001	54.400	54.500	1.838	16.020	3.372	0.000
318	15.900	52.165	63.480	63.534	2.423	8.670	3.814	0.000
319	15.950	52.329	103.130	103.299	3.108	27.080	3.009	0.000
320	16.000	52.493	55.510	55.590	3.078	12.850	5.537	0.000
321	16.050	52.657	48.230	48.353	2.950	19.660	6.101	0.000
322	16.100	52.821	61.200	61.267	1.880	10.660	3.069	0.000
323	16.150	52.985	69.870	69.937	1.807	10.740	2.584	0.000
324	16.200	53.149	47.070	47.128	1.974	9.310	4.189	0.000
325	16.250	53.313	56.880	56.947	1.973	10.690	3.465	0.000
326	16.300	53.477	96.260	96.323	0.000	10.070	0.000	0.000
327	16.350	53.641	375.990	376.016	0.000	4.140	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221512
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-1C-10
Cone ID:	224:T1500F15U500
Operator:	DC/YB/AD
CPT Date:	Feb-19-2014
CPT Time:	14:09
CPT File:	13-53075_GP1C-10.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722090.468
Northing / Lat:	4294230.502
Elevation:	151.217
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	2.460	2.539	0.007	12.680	0.276	24.800
2	0.100	0.328	19.030	19.144	0.007	18.230	0.037	30.600
3	0.150	0.492	46.540	47.079	0.007	86.280	0.015	35.500
4	0.200	0.656	38.720	38.716	0.006	-0.720	0.015	38.700
5	0.250	0.820	21.390	21.384	0.009	-0.950	0.042	49.300
6	0.300	0.984	14.880	14.872	0.005	-1.270	0.034	51.500
7	0.350	1.148	19.870	19.872	0.006	0.250	0.030	53.400
8	0.400	1.312	5.720	5.743	0.008	3.760	0.139	62.800
9	0.450	1.476	6.980	6.985	0.006	0.800	0.086	73.300
10	0.500	1.640	5.520	5.557	0.007	5.870	0.126	65.800
11	0.550	1.804	8.140	8.150	0.007	1.660	0.086	82.300
12	0.600	1.968	5.740	5.745	0.006	0.840	0.104	77.200
13	0.650	2.133	10.660	10.609	0.013	-8.130	0.123	85.600
14	0.700	2.297	18.050	18.028	0.016	-3.540	0.089	92.800
15	0.750	2.461	19.440	19.408	0.016	-5.200	0.082	91.700
16	0.800	2.625	25.830	25.748	0.016	-13.070	0.062	101.800
17	0.850	2.789	29.110	29.015	0.017	-15.150	0.059	88.100
18	0.900	2.953	29.710	29.604	0.030	-17.010	0.101	86.500
19	0.950	3.117	31.870	31.767	0.132	-16.460	0.416	94.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	35.200	35.096	0.241	-16.670	0.687	101.800
21	1.050	3.445	28.010	27.902	0.286	-17.270	1.025	95.400
22	1.100	3.609	24.380	24.273	0.276	-17.220	1.137	96.700
23	1.150	3.773	25.200	25.090	0.382	-17.640	1.523	85.700
24	1.200	3.937	28.440	28.330	0.468	-17.570	1.652	99.500
25	1.250	4.101	36.020	35.919	0.493	-16.220	1.373	98.400
26	1.300	4.265	30.430	30.328	0.493	-16.290	1.626	92.500
27	1.350	4.429	21.850	21.752	0.463	-15.740	2.129	94.700
28	1.400	4.593	19.610	19.519	0.353	-14.570	1.808	92.700
29	1.450	4.757	18.290	18.202	0.282	-14.060	1.549	95.400
30	1.500	4.921	19.020	18.955	0.263	-10.460	1.388	93.000
31	1.550	5.085	27.930	27.886	0.300	-7.020	1.076	85.100
32	1.600	5.249	27.310	27.249	0.350	-9.780	1.284	84.700
33	1.650	5.413	26.000	25.940	0.313	-9.610	1.207	80.000
34	1.700	5.577	23.540	23.492	0.137	-7.660	0.583	68.600
35	1.750	5.741	35.770	35.761	0.106	-1.430	0.296	75.600
36	1.800	5.905	74.600	74.597	0.365	-0.460	0.489	55.200
37	1.850	6.069	87.120	87.154	0.355	5.510	0.407	53.100
38	1.900	6.234	22.060	22.073	0.257	2.150	1.164	56.000
39	1.950	6.398	16.060	16.045	0.064	-2.420	0.399	53.300
40	2.000	6.562	11.920	11.877	0.013	-6.820	0.109	59.300
41	2.050	6.726	18.280	18.301	0.049	3.390	0.268	52.200
42	2.100	6.890	33.410	33.438	0.032	4.500	0.096	66.500
43	2.150	7.054	38.660	38.651	0.316	-1.460	0.818	72.000
44	2.200	7.218	43.930	43.969	0.329	6.250	0.748	66.100
45	2.250	7.382	18.380	18.395	0.323	2.420	1.756	60.700
46	2.300	7.546	13.460	13.490	0.281	4.780	2.083	52.400
47	2.350	7.710	16.840	16.853	0.097	2.080	0.576	45.500
48	2.400	7.874	35.290	35.301	0.115	1.790	0.326	29.500
49	2.450	8.038	38.790	38.821	0.353	5.000	0.909	21.100
50	2.500	8.202	41.050	41.101	0.664	8.170	1.616	19.600
51	2.550	8.366	61.080	61.089	0.938	1.390	1.535	18.200
52	2.600	8.530	30.550	30.644	0.879	15.090	2.868	24.800
53	2.650	8.694	39.500	39.461	0.410	-6.190	1.039	17.200
54	2.700	8.858	33.060	33.111	0.663	8.100	2.002	17.800
55	2.750	9.022	49.010	49.034	0.845	3.880	1.723	15.500
56	2.800	9.186	52.990	52.996	1.027	1.010	1.938	16.100
57	2.850	9.350	23.310	23.369	0.885	9.490	3.787	16.400
58	2.900	9.514	36.200	36.286	0.648	13.810	1.786	20.400
59	2.950	9.678	49.930	49.958	0.419	4.510	0.839	19.000
60	3.000	9.842	47.780	47.801	0.529	3.330	1.107	17.700
61	3.050	10.006	106.880	106.877	0.936	-0.480	0.876	24.400
62	3.100	10.170	173.400	173.398	1.102	-0.380	0.636	22.400
63	3.150	10.335	75.700	75.713	1.145	2.060	1.512	14.000
64	3.200	10.499	79.440	79.443	1.057	0.410	1.331	27.900
65	3.250	10.663	59.160	59.191	1.131	4.920	1.911	25.300
66	3.300	10.827	29.500	29.514	0.964	2.290	3.266	30.600
67	3.350	10.991	39.980	39.982	0.638	0.320	1.596	36.300
68	3.400	11.155	31.230	31.239	0.763	1.390	2.442	49.500
69	3.450	11.319	67.150	67.144	0.691	-0.960	1.029	59.700
70	3.500	11.483	35.380	35.501	0.640	19.360	1.803	83.000
71	3.550	11.647	42.550	42.633	0.723	13.320	1.696	92.500
72	3.600	11.811	54.390	54.374	0.733	-2.610	1.348	104.600
73	3.650	11.975	69.080	69.033	1.006	-7.460	1.457	94.200
74	3.700	12.139	66.010	65.917	0.975	-14.870	1.479	90.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	61.770	61.924	1.216	24.700	1.964	97.100
76	3.800	12.467	60.300	60.249	1.330	-8.240	2.208	102.300
77	3.850	12.631	54.380	54.305	1.468	-11.960	2.703	99.800
78	3.900	12.795	65.300	65.227	1.143	-11.630	1.752	86.700
79	3.950	12.959	74.500	74.431	0.965	-10.980	1.296	84.500
80	4.000	13.123	58.460	58.398	1.061	-9.950	1.817	68.700
81	4.050	13.287	42.060	41.996	1.020	-10.220	2.429	83.400
82	4.100	13.451	33.020	32.965	1.177	-8.870	3.570	85.600
83	4.150	13.615	45.650	45.622	1.004	-4.420	2.201	70.800
84	4.200	13.779	43.420	43.389	0.918	-4.960	2.116	66.800
85	4.250	13.943	47.220	47.213	1.139	-1.150	2.412	59.900
86	4.300	14.107	48.690	48.705	1.022	2.470	2.098	61.900
87	4.350	14.271	113.100	113.123	2.652	3.760	2.344	69.700
88	4.400	14.436	138.200	138.201	2.453	0.230	1.775	62.300
89	4.450	14.600	48.160	48.295	2.522	21.580	5.222	82.700
90	4.500	14.764	55.190	55.206	1.402	2.560	2.540	77.200
91	4.550	14.928	73.610	73.624	0.854	2.220	1.160	79.000
92	4.600	15.092	80.530	80.510	1.122	-3.250	1.394	93.500
93	4.650	15.256	85.660	85.696	1.208	5.770	1.410	86.600
94	4.700	15.420	85.390	85.408	1.331	2.850	1.558	68.200
95	4.750	15.584	79.460	79.507	1.246	7.460	1.567	77.800
96	4.800	15.748	77.410	77.412	1.509	0.380	1.949	83.400
97	4.850	15.912	68.480	68.472	1.704	-1.300	2.489	77.400
98	4.900	16.076	73.050	73.041	1.580	-1.440	2.163	79.600
99	4.950	16.240	56.340	56.337	1.414	-0.470	2.510	81.500
100	5.000	16.404	43.240	43.239	1.327	-0.210	3.069	72.100
101	5.050	16.568	33.320	33.298	0.877	-3.450	2.634	51.900
102	5.100	16.732	27.940	27.917	0.455	-3.610	1.630	55.600
103	5.150	16.896	31.740	31.716	0.122	-3.800	0.385	44.200
104	5.200	17.060	180.470	180.462	0.497	-1.290	0.275	37.200
105	5.250	17.224	225.340	225.335	3.868	-0.870	1.717	35.700
106	5.300	17.388	155.880	155.876	4.020	-0.600	2.579	21.200
107	5.350	17.552	44.940	44.992	4.059	8.370	9.022	17.700
108	5.400	17.716	51.290	51.378	1.321	14.020	2.571	21.400
109	5.450	17.880	43.490	43.485	0.900	-0.810	2.070	21.900
110	5.500	18.044	98.140	98.233	1.331	14.960	1.355	21.300
111	5.550	18.208	107.010	107.078	1.779	10.970	1.661	18.500
112	5.600	18.372	68.920	68.921	1.273	0.240	1.847	17.700
113	5.650	18.537	12.030	12.023	1.106	-1.190	9.199	31.000
114	5.700	18.701	77.930	77.949	1.108	3.060	1.421	26.100
115	5.750	18.865	46.300	46.308	1.201	1.310	2.593	32.700
116	5.800	19.029	72.710	72.704	1.577	-0.960	2.169	34.500
117	5.850	19.193	64.020	64.228	1.736	33.260	2.703	40.800
118	5.900	19.357	51.950	51.951	1.662	0.180	3.199	53.500
119	5.950	19.521	34.350	34.341	1.144	-1.480	3.331	62.700
120	6.000	19.685	25.160	25.309	0.800	23.830	3.161	58.800
121	6.050	19.849	20.830	20.884	0.523	8.730	2.504	78.100
122	6.100	20.013	21.260	21.375	0.505	18.390	2.363	60.700
123	6.150	20.177	24.420	24.563	0.391	22.980	1.592	58.800
124	6.200	20.341	30.000	30.143	0.384	22.940	1.274	34.300
125	6.250	20.505	32.150	32.134	0.713	-2.620	2.219	42.600
126	6.300	20.669	41.290	41.275	0.766	-2.410	1.856	28.600
127	6.350	20.833	28.700	28.697	0.980	-0.550	3.415	32.300
128	6.400	20.997	27.960	28.062	0.904	16.390	3.221	37.800
129	6.450	21.161	20.630	20.663	0.697	5.330	3.373	36.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	18.600	18.606	0.609	0.980	3.273	54.300
131	6.550	21.489	12.930	12.931	0.547	0.170	4.230	60.700
132	6.600	21.653	26.780	26.788	0.516	1.340	1.926	47.400
133	6.650	21.817	16.830	16.887	0.421	9.180	2.493	61.400
134	6.700	21.981	39.380	39.398	0.394	2.870	1.000	77.300
135	6.750	22.145	31.720	31.894	0.390	27.860	1.223	72.500
136	6.800	22.309	11.310	11.361	0.385	8.200	3.389	83.700
137	6.850	22.473	17.430	17.583	0.512	24.480	2.912	84.600
138	6.900	22.638	20.890	21.015	0.580	20.040	2.760	85.300
139	6.950	22.802	28.300	28.407	0.672	17.160	2.366	68.800
140	7.000	22.966	27.170	27.222	0.762	8.260	2.799	43.400
141	7.050	23.130	19.550	19.586	0.650	5.790	3.319	38.600
142	7.100	23.294	14.760	14.789	0.495	4.600	3.347	37.500
143	7.150	23.458	12.490	12.510	0.398	3.260	3.181	31.100
144	7.200	23.622	17.620	17.676	0.420	8.940	2.376	28.900
145	7.250	23.786	50.840	50.897	0.776	9.060	1.525	37.000
146	7.300	23.950	75.100	75.209	0.951	17.400	1.264	37.000
147	7.350	24.114	182.720	182.923	2.408	32.440	1.316	39.600
148	7.400	24.278	133.920	135.433	2.673	242.340	1.974	53.200
149	7.450	24.442	47.370	47.406	2.135	5.750	4.504	64.200
150	7.500	24.606	60.720	60.673	1.132	-7.480	1.866	56.400
151	7.550	24.770	38.640	38.676	1.340	5.710	3.465	57.500
152	7.600	24.934	29.250	29.199	1.241	-8.220	4.250	48.000
153	7.650	25.098	24.820	24.780	1.003	-6.440	4.048	35.400
154	7.700	25.262	37.680	37.684	0.941	0.680	2.497	25.400
155	7.750	25.426	24.830	24.847	0.657	2.650	2.644	32.600
156	7.800	25.590	9.750	9.738	0.706	-1.980	7.250	26.000
157	7.850	25.754	32.400	32.411	0.900	1.700	2.777	25.500
158	7.900	25.918	39.640	39.654	0.680	2.200	1.715	20.700
159	7.950	26.082	49.810	49.813	0.373	0.510	0.749	21.400
160	8.000	26.246	36.230	36.231	0.504	0.180	1.391	27.900
161	8.050	26.410	20.240	20.199	0.769	-6.550	3.807	32.700
162	8.100	26.574	23.740	23.906	0.938	26.570	3.924	26.600
163	8.150	26.739	41.670	41.669	0.755	-0.200	1.812	33.600
164	8.200	26.903	20.270	20.298	0.485	4.560	2.389	26.800
165	8.250	27.067	8.310	8.307	0.547	-0.440	6.585	33.600
166	8.300	27.231	21.580	21.599	0.461	2.990	2.134	36.000
167	8.350	27.395	32.010	31.997	0.824	-2.140	2.575	41.700
168	8.400	27.559	66.420	66.442	1.574	3.560	2.369	24.200
169	8.450	27.723	37.820	37.868	1.468	7.650	3.877	22.200
170	8.500	27.887	45.240	45.236	1.467	-0.590	3.243	16.900
171	8.550	28.051	93.740	93.752	1.195	1.990	1.275	13.600
172	8.600	28.215	50.640	50.648	1.308	1.260	2.583	14.100
173	8.650	28.379	25.950	25.930	0.841	-3.130	3.243	13.800
174	8.700	28.543	7.390	7.389	0.476	-0.200	6.442	18.200
175	8.750	28.707	1.580	1.578	0.110	-0.390	6.973	17.000
176	8.800	28.871	1.490	1.500	0.035	1.550	2.334	20.100
177	8.850	29.035	2.530	2.523	0.050	-1.190	1.982	31.300
178	8.900	29.199	2.690	2.704	0.072	2.270	2.663	40.900
179	8.950	29.363	6.320	6.344	0.192	3.910	3.026	51.600
180	9.000	29.527	11.570	11.559	0.317	-1.770	2.742	64.500
181	9.050	29.691	27.260	27.285	0.430	3.950	1.576	76.800
182	9.100	29.855	33.730	33.737	0.651	1.090	1.930	80.900
183	9.150	30.019	35.270	35.269	0.764	-0.140	2.166	96.100
184	9.200	30.183	33.940	33.981	0.849	6.600	2.498	87.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	29.860	29.881	0.925	3.400	3.096	74.400
186	9.300	30.511	27.230	27.248	0.879	2.940	3.226	72.100
187	9.350	30.675	25.170	25.190	0.879	3.210	3.489	75.100
188	9.400	30.840	29.630	29.657	0.796	4.400	2.684	70.700
189	9.450	31.004	25.690	25.717	0.738	4.280	2.870	66.800
190	9.500	31.168	22.860	22.880	0.896	3.170	3.916	42.100
191	9.550	31.332	48.940	48.939	0.859	-0.230	1.755	31.800
192	9.600	31.496	35.820	35.854	1.060	5.490	2.956	31.300
193	9.650	31.660	44.840	44.835	1.096	-0.840	2.445	31.100
194	9.700	31.824	48.630	48.675	1.508	7.160	3.098	29.100
195	9.750	31.988	53.950	53.969	1.671	3.120	3.096	32.200
196	9.800	32.152	83.980	84.024	1.656	7.040	1.971	29.200
197	9.850	32.316	90.340	90.409	2.290	11.040	2.533	43.500
198	9.900	32.480	142.410	142.449	2.547	6.290	1.788	40.800
199	9.950	32.644	48.620	48.634	2.310	2.210	4.750	45.500
200	10.000	32.808	37.710	37.735	2.023	4.000	5.361	53.400
201	10.050	32.972	34.580	34.626	1.112	7.370	3.211	57.800
202	10.100	33.136	26.010	26.104	1.275	14.990	4.884	51.800
203	10.150	33.300	33.380	33.469	1.170	14.210	3.496	50.700
204	10.200	33.464	57.850	57.909	1.360	9.480	2.349	48.800
205	10.250	33.628	70.510	70.593	1.619	13.370	2.293	53.400
206	10.300	33.792	85.240	85.255	1.911	2.380	2.242	49.700
207	10.350	33.956	59.710	59.708	1.319	-0.340	2.209	45.000
208	10.400	34.120	27.590	27.793	1.824	32.530	6.563	53.000
209	10.450	34.284	40.680	40.750	1.818	11.180	4.461	63.000
210	10.500	34.448	42.050	42.034	1.271	-2.510	3.024	62.700
211	10.550	34.612	145.360	145.568	0.848	33.280	0.583	68.200
212	10.600	34.776	81.490	81.533	0.796	6.810	0.976	56.900
213	10.650	34.941	62.960	62.951	0.930	-1.470	1.477	65.900
214	10.700	35.105	61.320	61.354	0.828	5.490	1.350	67.000
215	10.750	35.269	35.450	35.672	0.650	35.580	1.822	57.700
216	10.800	35.433	37.340	37.500	0.624	25.660	1.664	63.400
217	10.850	35.597	39.840	39.937	0.681	15.540	1.705	41.400
218	10.900	35.761	87.780	87.836	1.140	9.010	1.298	35.900
219	10.950	35.925	109.350	109.402	1.514	8.370	1.384	34.000
220	11.000	36.089	70.980	70.972	2.814	-1.260	3.965	21.400
221	11.050	36.253	135.210	135.362	2.227	24.400	1.645	24.300
222	11.100	36.417	118.350	118.348	1.410	-0.320	1.191	25.800
223	11.150	36.581	113.640	113.636	1.446	-0.620	1.272	23.200
224	11.200	36.745	15.370	15.369	0.639	-0.140	4.158	25.300
225	11.250	36.909	37.550	37.556	0.303	0.920	0.807	18.600
226	11.300	37.073	41.040	41.035	0.317	-0.740	0.773	17.900
227	11.350	37.237	52.770	52.759	0.329	-1.730	0.624	24.800
228	11.400	37.401	61.910	61.907	0.445	-0.450	0.719	26.000
229	11.450	37.565	89.590	89.612	0.317	3.560	0.354	29.700
230	11.500	37.729	65.930	65.932	0.606	0.280	0.919	25.500
231	11.550	37.893	39.570	39.576	0.611	0.910	1.544	31.200
232	11.600	38.057	33.500	33.528	0.552	4.500	1.646	32.500
233	11.650	38.221	24.520	24.500	0.635	-3.150	2.592	39.400
234	11.700	38.385	32.300	32.307	0.611	1.140	1.891	45.100
235	11.750	38.549	94.540	94.539	0.756	-0.140	0.800	43.500
236	11.800	38.713	72.040	72.041	1.172	0.160	1.627	43.900
237	11.850	38.877	71.250	71.273	1.042	3.620	1.462	40.000
238	11.900	39.042	122.460	122.453	1.276	-1.090	1.042	38.200
239	11.950	39.206	113.740	113.817	0.933	12.350	0.820	32.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	54.810	54.810	1.156	0.060	2.109	29.500
241	12.050	39.534	95.190	95.178	0.983	-1.950	1.033	34.300
242	12.100	39.698	82.170	82.227	1.032	9.080	1.255	27.900
243	12.150	39.862	76.330	76.425	1.276	15.200	1.670	31.100
244	12.200	40.026	52.200	52.215	1.261	2.480	2.415	32.100
245	12.250	40.190	55.540	55.630	1.273	14.390	2.288	0.000
246	12.300	40.354	68.720	68.846	0.450	20.260	0.654	0.000
247	12.350	40.518	73.350	73.399	0.420	7.860	0.572	0.000
248	12.400	40.682	88.640	88.718	0.565	12.480	0.637	0.000
249	12.450	40.846	39.350	39.382	0.646	5.130	1.640	0.000
250	12.500	41.010	34.180	34.224	0.766	6.980	2.238	0.000
251	12.550	41.174	25.960	25.985	0.551	3.960	2.120	0.000
252	12.600	41.338	21.140	21.173	0.582	5.330	2.749	0.000
253	12.650	41.502	19.160	19.191	0.671	4.940	3.496	0.000
254	12.700	41.666	29.750	29.775	0.714	3.930	2.398	0.000
255	12.750	41.830	83.500	83.574	0.929	11.840	1.112	0.000
256	12.800	41.994	110.500	110.506	1.689	1.010	1.528	0.000
257	12.850	42.158	111.300	111.319	1.572	3.120	1.412	0.000
258	12.900	42.322	101.870	102.601	1.177	117.140	1.147	0.000
259	12.950	42.486	316.120	316.160	0.000	6.440	0.000	0.000
260	13.000	42.650	362.980	362.996	0.000	2.640	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221514
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-1C-11
Cone ID:	224:T1500F15U500
Operator:	DC/YB/AD
CPT Date:	Feb-19-2014
CPT Time:	11:48
CPT File:	13-53075_GP1C-11.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722107.173
Northing / Lat:	4294243.474
Elevation:	151.340
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
1	0.050	0.164	9.310	9.354	0.003	7.040	0.032	30.900
2	0.100	0.328	22.530	22.555	0.000	3.940	0.000	33.500
3	0.150	0.492	19.410	19.422	0.001	1.970	0.005	39.700
4	0.200	0.656	15.170	15.182	0.002	1.970	0.013	46.100
5	0.250	0.820	15.340	15.349	0.010	1.520	0.065	50.100
6	0.300	0.984	35.930	35.946	0.021	2.510	0.058	59.900
7	0.350	1.148	1.380	1.372	0.045	-1.320	3.280	65.400
8	0.400	1.312	2.940	2.959	0.051	3.000	1.724	78.000
9	0.450	1.476	5.570	5.655	0.098	13.660	1.733	87.700
10	0.500	1.640	7.010	7.022	0.162	1.950	2.307	89.200
11	0.550	1.804	13.940	13.930	0.222	-1.560	1.594	94.100
12	0.600	1.968	27.480	27.513	0.396	5.220	1.439	95.700
13	0.650	2.133	37.360	37.344	0.509	-2.510	1.363	101.400
14	0.700	2.297	57.280	57.274	0.758	-0.980	1.323	87.400
15	0.750	2.461	81.870	81.842	1.093	-4.480	1.335	89.700
16	0.800	2.625	79.450	79.379	1.399	-11.400	1.762	89.700
17	0.850	2.789	63.900	63.821	1.417	-12.630	2.220	92.700
18	0.900	2.953	44.680	44.592	1.435	-14.040	3.218	108.600
19	0.950	3.117	29.670	29.579	1.094	-14.620	3.699	95.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	39.050	38.963	1.081	-13.940	2.774	100.200
21	1.050	3.445	69.430	69.365	1.381	-10.410	1.991	104.900
22	1.100	3.609	61.630	61.563	1.599	-10.730	2.597	95.600
23	1.150	3.773	53.470	53.395	1.660	-11.970	3.109	100.400
24	1.200	3.937	45.310	45.233	1.551	-12.340	3.429	97.700
25	1.250	4.101	42.220	42.139	1.425	-13.000	3.382	84.000
26	1.300	4.265	42.380	42.299	1.291	-12.920	3.052	96.800
27	1.350	4.429	52.850	52.769	1.260	-12.950	2.388	102.200
28	1.400	4.593	45.010	44.924	1.262	-13.750	2.809	99.800
29	1.450	4.757	43.700	43.614	1.226	-13.840	2.811	86.800
30	1.500	4.921	45.520	45.436	1.142	-13.430	2.513	97.500
31	1.550	5.085	44.640	44.556	1.096	-13.450	2.460	98.000
32	1.600	5.249	49.660	49.576	1.106	-13.380	2.231	92.800
33	1.650	5.413	41.590	41.502	1.222	-14.080	2.944	103.100
34	1.700	5.577	30.940	30.854	1.066	-13.720	3.455	96.900
35	1.750	5.741	31.230	31.147	1.014	-13.330	3.256	89.100
36	1.800	5.905	32.880	32.798	0.971	-13.150	2.961	103.400
37	1.850	6.069	27.750	27.667	0.892	-13.230	3.224	99.500
38	1.900	6.234	28.660	28.583	0.851	-12.280	2.977	91.200
39	1.950	6.398	27.210	27.138	0.742	-11.550	2.734	87.700
40	2.000	6.562	27.270	27.197	0.807	-11.640	2.967	90.500
41	2.050	6.726	26.330	26.255	0.786	-12.080	2.994	95.700
42	2.100	6.890	30.700	30.626	0.801	-11.790	2.615	94.000
43	2.150	7.054	32.930	32.858	0.721	-11.570	2.194	88.900
44	2.200	7.218	34.500	34.432	0.744	-10.850	2.161	90.200
45	2.250	7.382	25.590	25.514	0.834	-12.200	3.269	85.100
46	2.300	7.546	16.940	16.862	0.772	-12.440	4.578	91.600
47	2.350	7.710	12.760	12.684	0.683	-12.210	5.385	101.600
48	2.400	7.874	18.560	18.488	0.657	-11.490	3.554	104.000
49	2.450	8.038	20.710	20.644	0.698	-10.610	3.381	93.000
50	2.500	8.202	21.100	21.035	0.824	-10.460	3.917	96.000
51	2.550	8.366	18.690	18.620	0.709	-11.290	3.808	93.600
52	2.600	8.530	15.560	15.486	0.534	-11.900	3.448	90.800
53	2.650	8.694	14.620	14.623	0.410	0.550	2.804	98.300
54	2.700	8.858	10.620	10.628	0.444	1.220	4.178	76.200
55	2.750	9.022	13.320	13.298	0.488	-3.600	3.670	81.900
56	2.800	9.186	17.410	17.387	0.523	-3.620	3.008	75.300
57	2.850	9.350	15.970	15.891	0.425	-12.590	2.674	68.900
58	2.900	9.514	13.150	13.077	0.414	-11.750	3.166	65.900
59	2.950	9.678	17.440	17.441	0.598	0.210	3.429	69.700
60	3.000	9.842	18.890	18.892	0.750	0.250	3.970	76.600
61	3.050	10.006	19.510	19.531	0.593	3.320	3.036	79.200
62	3.100	10.170	21.310	21.406	0.550	15.360	2.569	98.000
63	3.150	10.335	56.680	56.741	0.792	9.720	1.396	84.700
64	3.200	10.499	48.270	48.272	1.268	0.350	2.627	88.300
65	3.250	10.663	31.750	31.733	1.503	-2.670	4.736	88.000
66	3.300	10.827	21.570	21.535	1.269	-5.550	5.893	64.200
67	3.350	10.991	18.550	18.501	0.976	-7.880	5.275	54.900
68	3.400	11.155	11.100	11.064	0.498	-5.810	4.501	47.600
69	3.450	11.319	9.240	9.220	0.425	-3.140	4.609	30.700
70	3.500	11.483	20.550	20.545	0.417	-0.730	2.030	27.500
71	3.550	11.647	32.960	32.977	0.659	2.730	1.998	31.600
72	3.600	11.811	38.420	38.434	0.667	2.270	1.735	23.000
73	3.650	11.975	41.220	41.247	0.675	4.280	1.636	26.800
74	3.700	12.139	75.250	75.264	1.056	2.180	1.403	25.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	106.890	106.964	1.751	11.870	1.637	28.700
76	3.800	12.467	39.050	39.154	1.613	16.640	4.120	26.100
77	3.850	12.631	6.740	6.743	1.058	0.530	15.690	26.200
78	3.900	12.795	1.530	1.555	0.411	3.960	26.436	33.300
79	3.950	12.959	6.790	6.795	0.155	0.840	2.281	34.400
80	4.000	13.123	7.570	7.574	0.111	0.620	1.466	56.900
81	4.050	13.287	5.600	5.623	0.246	3.760	4.375	59.900
82	4.100	13.451	13.370	13.530	0.336	25.660	2.483	79.900
83	4.150	13.615	20.040	20.154	0.494	18.260	2.451	76.300
84	4.200	13.779	26.350	26.469	0.680	19.030	2.569	80.100
85	4.250	13.943	26.590	26.657	0.765	10.770	2.870	80.600
86	4.300	14.107	29.430	29.381	0.923	-7.860	3.141	51.600
87	4.350	14.271	29.120	29.087	0.880	-5.290	3.025	44.500
88	4.400	14.436	48.910	48.947	1.220	5.850	2.493	31.700
89	4.450	14.600	52.320	52.368	1.249	7.720	2.385	23.900
90	4.500	14.764	54.850	54.792	0.969	-9.230	1.768	26.700
91	4.550	14.928	50.520	50.516	0.657	-0.640	1.301	22.800
92	4.600	15.092	72.270	72.319	1.190	7.900	1.645	18.700
93	4.650	15.256	70.550	70.669	1.004	19.040	1.421	21.400
94	4.700	15.420	60.170	60.215	1.279	7.170	2.124	20.500
95	4.750	15.584	55.600	55.625	1.091	3.930	1.961	20.700
96	4.800	15.748	38.190	38.206	0.839	2.620	2.196	22.400
97	4.850	15.912	22.470	22.477	1.125	1.170	5.005	25.300
98	4.900	16.076	69.400	69.407	0.724	1.130	1.043	18.600
99	4.950	16.240	49.580	49.574	0.605	-0.920	1.220	27.000
100	5.000	16.404	52.160	52.178	0.403	2.940	0.772	36.100
101	5.050	16.568	47.850	47.865	0.520	2.480	1.086	36.500
102	5.100	16.732	54.340	54.347	0.545	1.110	1.003	49.100
103	5.150	16.896	38.680	38.694	0.444	2.190	1.147	51.800
104	5.200	17.060	101.470	101.477	0.625	1.190	0.616	83.100
105	5.250	17.224	58.320	58.324	0.625	0.660	1.072	84.300
106	5.300	17.388	25.700	25.852	0.631	24.290	2.441	86.000
107	5.350	17.552	21.610	21.688	0.597	12.490	2.753	90.600
108	5.400	17.716	17.620	17.665	0.657	7.150	3.719	81.000
109	5.450	17.880	22.050	22.144	0.717	15.030	3.238	81.500
110	5.500	18.044	46.460	46.563	0.639	16.470	1.372	81.500
111	5.550	18.208	60.260	60.319	0.938	9.400	1.555	91.200
112	5.600	18.372	66.880	67.046	1.197	26.590	1.785	98.800
113	5.650	18.537	73.330	73.366	1.515	5.810	2.065	89.300
114	5.700	18.701	68.630	68.639	1.819	1.390	2.650	69.700
115	5.750	18.865	58.740	58.738	2.179	-0.390	3.710	75.200
116	5.800	19.029	50.500	50.519	2.228	3.120	4.410	53.300
117	5.850	19.193	70.560	70.572	1.850	1.870	2.621	34.800
118	5.900	19.357	81.900	81.845	1.752	-8.790	2.141	26.900
119	5.950	19.521	46.230	46.246	0.984	2.560	2.128	27.900
120	6.000	19.685	17.110	17.122	1.440	1.860	8.410	18.200
121	6.050	19.849	73.060	73.064	1.738	0.720	2.379	28.800
122	6.100	20.013	33.210	33.193	2.294	-2.780	6.911	38.000
123	6.150	20.177	41.800	41.820	2.286	3.180	5.466	29.900
124	6.200	20.341	20.450	20.882	1.561	69.130	7.475	41.200
125	6.250	20.505	27.160	27.154	1.124	-0.960	4.139	43.300
126	6.300	20.669	31.840	31.903	1.059	10.070	3.319	43.100
127	6.350	20.833	29.490	29.786	1.042	47.340	3.498	50.600
128	6.400	20.997	32.900	32.959	1.891	9.520	5.737	45.000
129	6.450	21.161	113.940	113.932	1.308	-1.310	1.148	54.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	143.640	143.631	1.392	-1.490	0.969	50.300
131	6.550	21.489	122.000	122.011	1.668	1.690	1.367	44.900
132	6.600	21.653	97.610	97.621	1.822	1.720	1.866	36.900
133	6.650	21.817	63.740	63.744	1.695	0.640	2.659	46.400
134	6.700	21.981	65.770	65.856	1.713	13.750	2.601	42.500
135	6.750	22.145	64.250	64.269	1.513	3.060	2.354	40.000
136	6.800	22.309	106.900	106.911	1.530	1.810	1.431	32.300
137	6.850	22.473	78.120	78.291	1.651	27.440	2.109	28.700
138	6.900	22.638	192.120	192.164	0.478	7.030	0.249	25.900
139	6.950	22.802	236.090	236.102	4.497	1.960	1.905	22.700
140	7.000	22.966	194.810	194.805	4.670	-0.850	2.397	31.100
141	7.050	23.130	33.980	34.020	5.205	6.410	15.300	25.300
142	7.100	23.294	53.580	53.625	2.455	7.280	4.578	24.400
143	7.150	23.458	98.620	98.618	1.387	-0.350	1.406	29.800
144	7.200	23.622	15.000	15.051	1.200	8.200	7.973	23.300
145	7.250	23.786	11.380	11.407	1.330	4.360	11.659	23.400
146	7.300	23.950	43.370	43.419	0.550	7.820	1.267	30.200
147	7.350	24.114	41.920	41.984	0.912	10.190	2.172	45.900
148	7.400	24.278	39.750	39.773	1.073	3.650	2.698	56.700
149	7.450	24.442	26.690	26.779	0.830	14.250	3.099	55.000
150	7.500	24.606	31.810	31.865	0.742	8.820	2.329	61.700
151	7.550	24.770	40.740	40.756	0.643	2.570	1.578	52.600
152	7.600	24.934	29.260	29.268	0.588	1.360	2.009	42.700
153	7.650	25.098	23.010	23.025	0.652	2.330	2.832	36.300
154	7.700	25.262	24.280	24.296	0.758	2.530	3.120	27.700
155	7.750	25.426	38.600	38.655	0.494	8.840	1.278	35.900
156	7.800	25.590	97.840	97.889	1.263	7.880	1.290	21.400
157	7.850	25.754	63.320	63.362	1.075	6.730	1.697	22.600
158	7.900	25.918	24.170	24.242	1.183	11.510	4.880	18.900
159	7.950	26.082	32.830	32.880	0.591	8.010	1.797	21.400
160	8.000	26.246	21.320	21.345	0.713	4.040	3.340	21.200
161	8.050	26.410	24.240	24.281	0.695	6.510	2.862	24.400
162	8.100	26.574	33.100	33.161	0.669	9.730	2.017	26.200
163	8.150	26.739	41.480	41.512	0.593	5.070	1.429	18.900
164	8.200	26.903	17.420	17.427	0.514	1.170	2.949	27.100
165	8.250	27.067	27.450	27.512	0.532	9.940	1.934	26.700
166	8.300	27.231	77.050	77.124	0.836	11.860	1.084	47.300
167	8.350	27.395	54.070	54.092	0.885	3.520	1.636	46.800
168	8.400	27.559	17.100	17.204	0.724	16.610	4.208	53.300
169	8.450	27.723	17.540	17.634	0.641	15.130	3.635	55.800
170	8.500	27.887	28.420	28.511	0.497	14.520	1.743	66.100
171	8.550	28.051	40.720	40.718	1.145	-0.270	2.812	67.400
172	8.600	28.215	44.850	44.874	1.357	3.840	3.024	83.700
173	8.650	28.379	29.330	29.385	1.263	8.800	4.298	83.200
174	8.700	28.543	27.870	27.920	1.087	7.940	3.893	73.500
175	8.750	28.707	21.810	21.846	0.997	5.750	4.564	65.800
176	8.800	28.871	23.110	23.176	0.952	10.610	4.108	56.300
177	8.850	29.035	43.130	43.153	0.893	3.620	2.069	48.700
178	8.900	29.199	53.630	53.675	1.117	7.150	2.081	29.700
179	8.950	29.363	27.430	27.460	1.133	4.770	4.126	38.400
180	9.000	29.527	18.510	18.514	1.285	0.680	6.941	45.400
181	9.050	29.691	73.290	73.321	1.188	4.920	1.620	37.900
182	9.100	29.855	26.690	26.742	1.178	8.360	4.405	63.100
183	9.150	30.019	25.120	25.299	1.107	28.730	4.376	78.000
184	9.200	30.183	22.660	22.675	0.772	2.400	3.405	85.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	23.860	23.976	0.649	18.610	2.707	82.600
186	9.300	30.511	28.810	28.847	0.654	5.950	2.267	73.200
187	9.350	30.675	28.410	28.465	0.816	8.760	2.867	73.400
188	9.400	30.840	22.660	22.709	0.799	7.890	3.518	72.800
189	9.450	31.004	34.860	34.985	1.078	19.990	3.081	76.500
190	9.500	31.168	44.810	44.921	1.310	17.750	2.916	82.600
191	9.550	31.332	58.650	58.904	1.407	40.610	2.389	91.600
192	9.600	31.496	80.530	80.553	1.722	3.660	2.138	77.700
193	9.650	31.660	58.560	58.557	1.610	-0.510	2.749	67.500
194	9.700	31.824	40.350	40.367	1.226	2.690	3.037	62.500
195	9.750	31.988	26.100	26.081	0.863	-3.070	3.309	58.000
196	9.800	32.152	18.750	18.727	0.634	-3.660	3.385	34.900
197	9.850	32.316	18.250	18.245	0.496	-0.820	2.719	31.000
198	9.900	32.480	20.680	20.688	0.515	1.290	2.489	18.400
199	9.950	32.644	14.840	14.847	0.586	1.170	3.947	16.900
200	10.000	32.808	24.370	24.376	0.613	0.980	2.515	18.300
201	10.050	32.972	17.380	17.391	0.576	1.820	3.312	14.400
202	10.100	33.136	19.200	19.221	0.871	3.290	4.532	9.000
203	10.150	33.300	25.060	25.123	0.922	10.030	3.670	11.900
204	10.200	33.464	44.420	44.429	1.438	1.460	3.237	11.500
205	10.250	33.628	42.350	42.443	1.617	14.820	3.810	11.700
206	10.300	33.792	49.710	50.167	2.417	73.140	4.818	13.000
207	10.350	33.956	56.480	56.549	2.775	11.060	4.907	0.000
208	10.400	34.120	61.590	62.287	3.196	111.710	5.131	0.000
209	10.450	34.284	77.220	78.356	3.378	181.940	4.311	0.000
210	10.500	34.448	95.250	95.481	3.779	36.960	3.958	0.000
211	10.550	34.612	98.730	99.062	3.600	53.200	3.634	0.000
212	10.600	34.776	108.090	108.191	3.360	16.200	3.106	0.000
213	10.650	34.941	104.170	104.252	2.760	13.110	2.647	0.000
214	10.700	35.105	122.540	122.607	2.882	10.670	2.351	0.000
215	10.750	35.269	188.440	188.506	3.805	10.510	2.019	0.000
216	10.800	35.433	150.690	150.808	7.838	18.830	5.197	0.000
217	10.850	35.597	186.410	186.695	7.838	45.710	4.198	0.000
218	10.900	35.761	213.680	215.423	4.844	279.240	2.249	0.000
219	10.950	35.925	320.940	321.345	4.351	64.870	1.354	0.000
220	11.000	36.089	406.550	407.857	3.269	209.400	0.802	0.000
221	11.050	36.253	382.100	382.476	0.000	60.220	0.000	0.000
222	11.100	36.417	450.070	452.942	0.000	460.060	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221516
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-1C-12
Cone ID:	224:T1500F15U500
Operator:	DC/YB/AD
CPT Date:	Feb-19-2014
CPT Time:	10:08
CPT File:	13-53075_GP1C-12.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722121.876
Northing / Lat:	4294252.115
Elevation:	152.321
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	2.320	2.321	0.093	0.180	4.007	29.100
2	0.100	0.328	12.720	12.728	0.086	1.240	0.676	33.800
3	0.150	0.492	21.900	21.906	0.081	0.920	0.370	39.100
4	0.200	0.656	32.100	32.104	0.015	0.670	0.047	47.300
5	0.250	0.820	41.890	41.894	0.076	0.620	0.181	44.500
6	0.300	0.984	7.200	7.202	0.090	0.260	1.250	48.400
7	0.350	1.148	8.660	8.662	0.097	0.300	1.120	45.600
8	0.400	1.312	13.180	13.183	0.109	0.430	0.827	53.500
9	0.450	1.476	21.530	21.534	0.160	0.580	0.743	63.800
10	0.500	1.640	50.210	50.214	0.262	0.650	0.522	75.800
11	0.550	1.804	15.230	15.234	0.359	0.630	2.357	81.900
12	0.600	1.968	18.110	18.094	0.314	-2.520	1.735	87.000
13	0.650	2.133	20.930	20.910	0.368	-3.160	1.760	88.500
14	0.700	2.297	19.470	19.449	0.413	-3.310	2.123	83.400
15	0.750	2.461	16.300	16.276	0.426	-3.810	2.617	90.000
16	0.800	2.625	13.060	13.033	0.395	-4.300	3.031	89.700
17	0.850	2.789	12.600	12.572	0.351	-4.440	2.792	78.300
18	0.900	2.953	10.910	10.882	0.310	-4.480	2.849	88.700
19	0.950	3.117	9.470	9.441	0.331	-4.690	3.506	86.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	10.320	10.292	0.342	-4.540	3.323	85.600
21	1.050	3.445	26.860	26.831	0.450	-4.610	1.677	90.200
22	1.100	3.609	41.730	41.700	0.497	-4.810	1.192	97.800
23	1.150	3.773	43.400	43.369	0.593	-4.890	1.367	86.000
24	1.200	3.937	42.960	42.930	0.586	-4.800	1.365	90.400
25	1.250	4.101	39.510	39.480	0.542	-4.740	1.373	96.000
26	1.300	4.265	38.560	38.532	0.483	-4.560	1.254	95.200
27	1.350	4.429	36.860	36.833	0.480	-4.290	1.303	102.700
28	1.400	4.593	36.350	36.318	0.631	-5.190	1.737	102.000
29	1.450	4.757	32.240	32.211	0.725	-4.660	2.251	99.300
30	1.500	4.921	25.600	25.570	0.787	-4.810	3.078	91.000
31	1.550	5.085	21.890	21.861	0.685	-4.640	3.133	82.000
32	1.600	5.249	20.110	20.082	0.597	-4.420	2.973	86.100
33	1.650	5.413	19.310	19.280	0.564	-4.840	2.925	99.100
34	1.700	5.577	16.380	16.351	0.556	-4.680	3.400	91.200
35	1.750	5.741	16.350	16.321	0.534	-4.610	3.272	85.500
36	1.800	5.905	16.190	16.160	0.554	-4.730	3.428	92.200
37	1.850	6.069	15.170	15.140	0.551	-4.830	3.639	111.300
38	1.900	6.234	13.250	13.223	0.508	-4.290	3.842	95.800
39	1.950	6.398	14.330	14.303	0.434	-4.370	3.034	109.300
40	2.000	6.562	16.460	16.432	0.434	-4.460	2.641	101.700
41	2.050	6.726	17.140	17.114	0.497	-4.130	2.904	96.200
42	2.100	6.890	18.030	18.003	0.507	-4.300	2.816	102.800
43	2.150	7.054	18.660	18.634	0.473	-4.130	2.538	105.300
44	2.200	7.218	20.080	20.055	0.478	-4.070	2.383	100.900
45	2.250	7.382	22.610	22.584	0.488	-4.120	2.161	83.800
46	2.300	7.546	22.990	22.964	0.506	-4.120	2.203	82.800
47	2.350	7.710	22.890	22.864	0.478	-4.210	2.091	95.400
48	2.400	7.874	23.760	23.734	0.475	-4.240	2.001	91.500
49	2.450	8.038	23.790	23.764	0.499	-4.180	2.100	89.900
50	2.500	8.202	23.950	23.924	0.500	-4.240	2.090	79.500
51	2.550	8.366	23.220	23.194	0.499	-4.180	2.151	77.800
52	2.600	8.530	25.510	25.505	0.403	-0.830	1.580	69.500
53	2.650	8.694	27.920	27.920	0.578	0.000	2.070	51.000
54	2.700	8.858	37.310	37.312	0.870	0.360	2.332	44.300
55	2.750	9.022	63.370	63.373	0.982	0.550	1.550	45.300
56	2.800	9.186	50.880	50.883	1.569	0.420	3.084	32.200
57	2.850	9.350	48.890	48.893	0.867	0.530	1.773	37.900
58	2.900	9.514	56.320	56.320	1.085	0.000	1.926	33.400
59	2.950	9.678	125.520	125.525	1.570	0.860	1.251	34.800
60	3.000	9.842	46.940	46.950	2.004	1.540	4.268	30.600
61	3.050	10.006	34.850	34.860	1.133	1.530	3.250	31.000
62	3.100	10.170	56.980	56.991	1.276	1.810	2.239	33.400
63	3.150	10.335	29.800	29.810	1.007	1.650	3.378	37.700
64	3.200	10.499	35.690	35.701	1.079	1.730	3.022	30.900
65	3.250	10.663	31.520	31.529	0.933	1.480	2.959	38.200
66	3.300	10.827	64.920	64.929	1.090	1.510	1.679	44.500
67	3.350	10.991	69.590	69.602	1.279	1.980	1.838	53.200
68	3.400	11.155	49.730	49.742	1.413	1.990	2.841	58.400
69	3.450	11.319	36.210	36.224	0.958	2.200	2.645	76.200
70	3.500	11.483	15.670	15.685	0.621	2.360	3.959	81.100
71	3.550	11.647	13.220	13.248	0.445	4.540	3.359	90.000
72	3.600	11.811	14.430	14.462	0.375	5.100	2.593	83.100
73	3.650	11.975	10.230	10.264	0.427	5.410	4.160	80.800
74	3.700	12.139	10.540	10.572	0.419	5.190	3.963	64.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	15.990	16.023	0.431	5.320	2.690	57.200
76	3.800	12.467	27.260	27.293	0.667	5.290	2.444	44.300
77	3.850	12.631	46.010	46.045	0.922	5.600	2.002	33.500
78	3.900	12.795	58.210	58.248	1.082	6.110	1.858	27.800
79	3.950	12.959	50.180	50.217	1.139	5.890	2.268	28.000
80	4.000	13.123	40.270	40.306	1.376	5.760	3.414	23.800
81	4.050	13.287	84.780	84.815	1.504	5.560	1.773	31.400
82	4.100	13.451	156.510	156.548	2.292	6.100	1.464	25.300
83	4.150	13.615	67.040	67.074	2.277	5.390	3.395	38.500
84	4.200	13.779	65.370	65.394	1.914	3.900	2.927	44.200
85	4.250	13.943	68.230	68.259	1.043	4.650	1.528	58.300
86	4.300	14.107	19.920	19.953	0.846	5.280	4.240	65.900
87	4.350	14.271	18.460	18.495	0.587	5.550	3.174	50.200
88	4.400	14.436	16.140	16.175	0.613	5.530	3.790	51.500
89	4.450	14.600	24.150	24.183	0.691	5.270	2.857	39.400
90	4.500	14.764	41.160	41.192	0.662	5.060	1.607	28.300
91	4.550	14.928	58.960	58.995	0.788	5.570	1.336	20.400
92	4.600	15.092	60.770	60.807	0.800	5.900	1.316	19.600
93	4.650	15.256	58.520	58.557	1.332	6.000	2.275	22.000
94	4.700	15.420	63.340	63.377	1.172	5.990	1.849	17.600
95	4.750	15.584	104.080	104.117	0.975	5.980	0.936	21.000
96	4.800	15.748	48.910	48.948	0.783	6.120	1.600	19.000
97	4.850	15.912	72.330	72.369	1.701	6.230	2.350	17.500
98	4.900	16.076	85.980	86.018	1.270	6.080	1.476	14.800
99	4.950	16.240	87.400	87.439	1.551	6.200	1.774	14.700
100	5.000	16.404	62.070	62.110	1.403	6.330	2.259	12.600
101	5.050	16.568	73.880	73.919	1.093	6.270	1.479	8.700
102	5.100	16.732	78.520	78.559	1.107	6.210	1.409	9.300
103	5.150	16.896	73.290	73.326	0.588	5.810	0.802	11.900
104	5.200	17.060	70.370	70.408	0.387	6.040	0.550	14.400
105	5.250	17.224	81.770	81.809	0.541	6.180	0.661	9.700
106	5.300	17.388	64.570	64.605	0.611	5.660	0.946	11.200
107	5.350	17.552	57.410	57.447	0.611	5.920	1.064	13.700
108	5.400	17.716	46.290	46.323	0.756	5.280	1.632	14.700
109	5.450	17.880	80.220	80.250	0.715	4.840	0.891	15.300
110	5.500	18.044	88.580	88.614	0.556	5.450	0.627	17.800
111	5.550	18.208	57.760	57.789	0.574	4.660	0.993	17.000
112	5.600	18.372	55.780	55.802	0.180	3.520	0.323	14.500
113	5.650	18.537	75.990	76.014	0.438	3.790	0.576	18.900
114	5.700	18.701	97.960	97.983	0.832	3.700	0.849	25.200
115	5.750	18.865	64.090	64.114	0.682	3.830	1.064	27.100
116	5.800	19.029	36.920	36.944	0.484	3.860	1.310	30.400
117	5.850	19.193	41.150	41.173	0.278	3.650	0.675	36.400
118	5.900	19.357	30.780	30.798	0.214	2.810	0.695	42.600
119	5.950	19.521	54.890	54.909	0.302	3.110	0.550	39.800
120	6.000	19.685	73.090	73.108	0.468	2.840	0.640	49.200
121	6.050	19.849	106.500	106.517	0.320	2.700	0.300	60.100
122	6.100	20.013	195.520	195.536	0.475	2.620	0.243	64.600
123	6.150	20.177	197.530	197.550	0.218	3.190	0.110	73.400
124	6.200	20.341	74.340	74.360	0.312	3.250	0.420	79.200
125	6.250	20.505	60.590	60.609	0.192	3.100	0.317	86.500
126	6.300	20.669	59.860	59.879	0.139	3.000	0.232	89.500
127	6.350	20.833	28.730	28.748	0.081	2.940	0.282	77.700
128	6.400	20.997	27.770	27.789	0.114	3.000	0.410	96.600
129	6.450	21.161	30.230	30.248	0.216	2.920	0.714	94.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	34.160	34.179	0.212	2.990	0.620	82.100
131	6.550	21.489	34.630	34.649	0.331	3.000	0.955	75.600
132	6.600	21.653	41.550	41.568	0.300	2.960	0.722	54.600
133	6.650	21.817	40.450	40.469	0.005	2.980	0.012	39.800
134	6.700	21.981	45.490	45.508	0.156	2.960	0.343	30.600
135	6.750	22.145	43.250	43.268	0.178	2.850	0.411	26.000
136	6.800	22.309	35.300	35.318	0.194	2.810	0.549	22.500
137	6.850	22.473	46.060	46.077	0.223	2.670	0.484	20.100
138	6.900	22.638	56.810	56.826	0.239	2.580	0.421	16.800
139	6.950	22.802	46.140	46.156	0.389	2.540	0.843	15.300
140	7.000	22.966	40.520	40.536	0.474	2.580	1.169	13.500
141	7.050	23.130	47.300	47.315	0.257	2.420	0.543	16.000
142	7.100	23.294	50.990	51.006	0.113	2.600	0.222	19.000
143	7.150	23.458	62.310	62.326	0.022	2.570	0.035	22.200
144	7.200	23.622	57.970	57.987	0.142	2.670	0.245	20.100
145	7.250	23.786	42.960	42.975	0.038	2.480	0.088	16.100
146	7.300	23.950	41.810	41.825	0.112	2.450	0.268	16.300
147	7.350	24.114	48.560	48.575	0.362	2.340	0.745	21.300
148	7.400	24.278	182.920	182.936	1.523	2.590	0.833	15.300
149	7.450	24.442	164.030	164.044	1.521	2.320	0.927	14.400
150	7.500	24.606	125.970	125.983	1.061	2.140	0.842	17.400
151	7.550	24.770	98.310	98.322	0.723	1.970	0.735	17.300
152	7.600	24.934	147.300	147.315	0.705	2.330	0.479	18.300
153	7.650	25.098	218.780	218.796	0.461	2.530	0.211	21.900
154	7.700	25.262	89.290	89.306	0.028	2.550	0.031	23.400
155	7.750	25.426	47.400	47.415	0.597	2.480	1.259	29.000
156	7.800	25.590	37.850	37.864	0.536	2.280	1.416	40.200
157	7.850	25.754	19.610	19.624	0.161	2.240	0.820	42.500
158	7.900	25.918	18.000	18.016	0.070	2.520	0.389	45.700
159	7.950	26.082	17.090	17.107	0.159	2.690	0.929	58.000
160	8.000	26.246	15.280	15.297	0.168	2.670	1.098	65.400
161	8.050	26.410	14.830	14.848	0.090	2.870	0.606	73.200
162	8.100	26.574	14.960	14.978	0.200	2.890	1.335	87.600
163	8.150	26.739	20.050	20.071	0.266	3.330	1.325	84.200
164	8.200	26.903	26.170	26.192	0.316	3.480	1.206	89.600
165	8.250	27.067	31.900	31.921	0.507	3.430	1.588	79.100
166	8.300	27.231	34.820	34.841	0.711	3.370	2.041	62.700
167	8.350	27.395	41.270	41.292	0.734	3.590	1.778	46.100
168	8.400	27.559	89.430	89.455	0.955	3.940	1.068	40.800
169	8.450	27.723	89.270	89.296	1.076	4.170	1.205	27.700
170	8.500	27.887	93.680	93.704	0.818	3.840	0.873	29.500
171	8.550	28.051	121.460	121.488	0.593	4.550	0.488	28.900
172	8.600	28.215	74.600	74.623	0.432	3.650	0.579	25.500
173	8.650	28.379	57.130	57.152	0.363	3.540	0.635	25.300
174	8.700	28.543	75.780	75.802	0.269	3.490	0.355	26.300
175	8.750	28.707	99.150	99.171	0.415	3.340	0.418	22.300
176	8.800	28.871	93.670	93.690	0.555	3.250	0.592	25.900
177	8.850	29.035	83.440	83.459	0.971	2.980	1.163	27.700
178	8.900	29.199	72.420	72.439	0.675	3.020	0.932	32.000
179	8.950	29.363	72.540	72.559	0.662	3.030	0.912	32.100
180	9.000	29.527	52.900	52.920	0.571	3.230	1.079	40.500
181	9.050	29.691	33.490	33.511	0.478	3.390	1.426	40.400
182	9.100	29.855	40.070	40.101	0.490	4.990	1.222	32.400
183	9.150	30.019	28.410	28.448	0.478	6.010	1.680	45.500
184	9.200	30.183	30.490	30.531	0.351	6.570	1.150	41.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	119.210	119.251	0.444	6.520	0.372	37.600
186	9.300	30.511	83.370	83.414	2.493	7.050	2.989	30.300
187	9.350	30.675	82.710	82.753	2.583	6.910	3.121	36.300
188	9.400	30.840	356.460	356.505	5.217	7.220	1.463	29.100
189	9.450	31.004	248.170	248.209	3.511	6.250	1.415	34.300
190	9.500	31.168	89.670	89.708	2.536	6.020	2.827	35.600
191	9.550	31.332	84.180	84.226	1.800	7.320	2.137	39.700
192	9.600	31.496	68.200	68.252	1.287	8.310	1.886	55.100
193	9.650	31.660	48.080	48.132	0.800	8.370	1.662	62.400
194	9.700	31.824	85.010	85.060	1.105	8.030	1.299	72.300
195	9.750	31.988	76.020	76.067	1.382	7.500	1.817	104.800
196	9.800	32.152	29.000	29.046	1.486	7.360	5.116	109.400
197	9.850	32.316	21.000	21.048	1.129	7.680	5.364	107.700
198	9.900	32.480	20.230	20.281	0.760	8.180	3.747	111.700
199	9.950	32.644	15.270	15.323	0.620	8.410	4.046	93.600
200	10.000	32.808	13.090	13.143	0.596	8.540	4.535	111.200
201	10.050	32.972	13.860	13.915	0.472	8.750	3.392	118.800
202	10.100	33.136	16.280	16.335	0.655	8.800	4.010	111.900
203	10.150	33.300	21.730	21.786	0.757	8.940	3.475	101.800
204	10.200	33.464	27.290	27.346	0.958	9.040	3.503	82.200
205	10.250	33.628	41.120	41.176	1.040	9.020	2.526	64.700
206	10.300	33.792	54.730	54.786	1.006	8.920	1.836	52.400
207	10.350	33.956	72.430	72.485	1.398	8.830	1.929	51.500
208	10.400	34.120	50.250	50.302	1.291	8.370	2.566	36.600
209	10.450	34.284	34.310	34.363	1.578	8.430	4.592	32.000
210	10.500	34.448	44.720	44.773	1.322	8.420	2.953	34.300
211	10.550	34.612	30.000	30.048	1.265	7.630	4.210	35.900
212	10.600	34.776	31.330	31.367	1.035	5.860	3.300	36.300
213	10.650	34.941	29.510	29.549	0.967	6.270	3.273	53.900
214	10.700	35.105	13.430	13.469	0.858	6.300	6.370	49.100
215	10.750	35.269	20.060	20.100	0.708	6.440	3.522	40.200
216	10.800	35.433	41.350	41.391	0.672	6.550	1.624	33.100
217	10.850	35.597	18.450	18.491	0.902	6.560	4.878	31.900
218	10.900	35.761	37.770	37.810	1.099	6.360	2.907	23.200
219	10.950	35.925	51.860	51.902	1.982	6.730	3.819	31.500
220	11.000	36.089	72.790	72.836	2.260	7.340	3.103	25.900
221	11.050	36.253	108.060	108.114	3.108	8.650	2.875	37.900
222	11.100	36.417	173.960	174.021	3.995	9.710	2.296	46.100
223	11.150	36.581	85.890	85.950	3.348	9.690	3.895	56.300
224	11.200	36.745	31.090	31.150	2.825	9.560	9.069	72.900
225	11.250	36.909	44.460	44.525	1.424	10.450	3.198	82.000
226	11.300	37.073	56.080	56.146	1.029	10.580	1.833	74.800
227	11.350	37.237	50.180	50.245	1.139	10.420	2.267	81.400
228	11.400	37.401	47.650	47.714	0.865	10.180	1.813	70.500
229	11.450	37.565	49.160	49.220	0.786	9.690	1.597	68.400
230	11.500	37.729	44.250	44.311	0.712	9.790	1.607	78.600
231	11.550	37.893	24.010	24.069	0.581	9.510	2.414	94.400
232	11.600	38.057	18.320	18.378	0.493	9.340	2.683	95.500
233	11.650	38.221	21.600	21.655	0.491	8.880	2.267	100.400
234	11.700	38.385	14.230	14.286	0.463	9.040	3.241	116.300
235	11.750	38.549	15.290	15.348	0.538	9.280	3.505	106.000
236	11.800	38.713	26.870	26.929	0.647	9.490	2.403	97.400
237	11.850	38.877	41.340	41.399	2.069	9.500	4.998	99.900
238	11.900	39.042	107.480	107.538	1.397	9.330	1.299	97.800
239	11.950	39.206	65.490	65.524	2.814	5.470	4.295	94.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	133.580	133.622	2.882	6.690	2.157	97.200
241	12.050	39.534	94.160	94.209	3.603	7.890	3.824	76.800
242	12.100	39.698	107.880	107.932	4.204	8.300	3.895	75.100
243	12.150	39.862	92.110	92.165	3.587	8.790	3.892	60.000
244	12.200	40.026	75.730	75.785	3.150	8.820	4.156	41.500
245	12.250	40.190	106.410	106.466	3.815	8.900	3.583	35.200
246	12.300	40.354	78.630	78.687	4.701	9.160	5.974	28.600
247	12.350	40.518	66.070	66.131	4.239	9.790	6.410	24.300
248	12.400	40.682	173.570	173.635	3.198	10.350	1.842	28.800
249	12.450	40.846	154.490	154.555	4.088	10.370	2.645	30.600
250	12.500	41.010	127.570	127.635	3.955	10.340	3.099	33.900
251	12.550	41.174	114.720	114.786	2.947	10.640	2.567	47.100
252	12.600	41.338	126.240	126.308	3.300	10.870	2.613	55.900
253	12.650	41.502	135.240	135.307	3.063	10.700	2.264	71.700
254	12.700	41.666	65.100	65.168	2.724	10.840	4.180	87.500
255	12.750	41.830	63.920	63.987	2.318	10.730	3.623	97.300
256	12.800	41.994	58.820	58.888	1.938	10.950	3.291	82.400
257	12.850	42.158	68.610	68.678	1.870	10.970	2.723	96.600
258	12.900	42.322	57.910	57.978	1.748	10.940	3.015	87.900
259	12.950	42.486	43.060	43.130	1.474	11.190	3.418	89.500
260	13.000	42.650	36.370	36.440	1.257	11.160	3.450	94.900
261	13.050	42.814	43.420	43.491	1.253	11.310	2.881	84.800
262	13.100	42.978	51.060	51.131	1.436	11.330	2.808	72.400
263	13.150	43.143	51.430	51.501	1.777	11.360	3.450	60.900
264	13.200	43.307	56.800	56.871	1.537	11.320	2.703	47.800
265	13.250	43.471	25.450	25.520	1.240	11.270	4.859	36.900
266	13.300	43.635	24.010	24.079	1.018	11.110	4.228	35.300
267	13.350	43.799	25.530	25.599	0.607	11.080	2.371	35.800
268	13.400	43.963	22.460	22.528	0.746	10.890	3.311	50.400
269	13.450	44.127	30.230	30.298	0.836	10.940	2.759	51.700
270	13.500	44.291	38.560	38.628	0.821	10.900	2.125	65.500
271	13.550	44.455	52.060	52.127	1.222	10.800	2.344	88.200
272	13.600	44.619	57.130	57.198	1.252	10.860	2.189	67.000
273	13.650	44.783	54.880	54.948	1.425	10.830	2.593	64.000
274	13.700	44.947	45.070	45.140	1.494	11.290	3.310	66.500
275	13.750	45.111	59.390	59.463	1.429	11.660	2.403	85.800
276	13.800	45.275	86.840	86.912	1.249	11.570	1.437	91.400
277	13.850	45.439	94.860	94.932	1.314	11.500	1.384	88.900
278	13.900	45.603	96.000	96.072	1.510	11.520	1.572	95.100
279	13.950	45.767	97.770	97.841	1.732	11.450	1.770	90.700
280	14.000	45.931	98.930	99.000	1.915	11.240	1.934	91.400
281	14.050	46.095	94.310	94.380	1.970	11.240	2.087	83.000
282	14.100	46.259	95.340	95.409	1.949	11.090	2.043	91.500
283	14.150	46.423	90.500	90.569	2.061	11.100	2.276	96.700
284	14.200	46.587	85.960	86.029	1.863	11.100	2.166	86.300
285	14.250	46.751	87.090	87.158	1.720	10.960	1.973	80.700
286	14.300	46.915	86.750	86.818	1.730	10.960	1.993	84.500
287	14.350	47.079	83.010	83.078	2.026	10.960	2.439	76.300
288	14.400	47.244	73.030	73.098	2.296	10.870	3.141	59.200
289	14.450	47.408	64.420	64.488	2.439	10.910	3.782	64.200
290	14.500	47.572	68.080	68.148	2.592	10.940	3.803	75.700
291	14.550	47.736	40.780	40.860	2.284	12.770	5.590	79.400
292	14.600	47.900	36.720	36.802	1.575	13.130	4.280	72.600
293	14.650	48.064	39.150	39.234	1.547	13.450	3.943	91.500
294	14.700	48.228	71.940	72.026	2.340	13.710	3.249	81.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	84.060	84.143	3.500	13.370	4.160	75.900
296	14.800	48.556	100.460	100.542	3.834	13.130	3.813	74.200
297	14.850	48.720	94.140	94.218	3.682	12.540	3.908	59.300
298	14.900	48.884	62.930	63.007	3.297	12.410	5.233	58.800
299	14.950	49.048	39.130	39.209	2.490	12.590	6.351	61.800
300	15.000	49.212	67.510	67.598	2.034	14.130	3.009	67.900
301	15.050	49.376	89.630	89.717	1.761	13.970	1.963	62.600
302	15.100	49.540	63.050	63.138	1.918	14.060	3.038	56.500
303	15.150	49.704	47.290	47.377	2.051	13.940	4.329	52.500
304	15.200	49.868	46.660	46.745	1.904	13.590	4.073	35.300
305	15.250	50.032	46.510	46.595	1.729	13.630	3.711	30.900
306	15.300	50.196	60.950	61.036	2.107	13.740	3.452	25.700
307	15.350	50.360	68.220	68.305	2.196	13.600	3.215	29.500
308	15.400	50.524	79.190	79.275	2.289	13.610	2.887	28.600
309	15.450	50.688	97.890	97.975	2.864	13.650	2.923	27.500
310	15.500	50.852	81.990	82.077	2.734	13.940	3.331	26.700
311	15.550	51.016	60.470	60.559	2.748	14.290	4.538	31.800
312	15.600	51.180	68.880	68.968	1.859	14.120	2.695	33.100
313	15.650	51.345	41.810	41.900	1.457	14.350	3.477	43.500
314	15.700	51.509	26.170	26.258	1.053	14.040	4.010	42.900
315	15.750	51.673	30.960	31.047	0.824	13.990	2.654	40.800
316	15.800	51.837	34.600	34.687	0.572	13.960	1.649	49.400
317	15.850	52.001	33.600	33.688	0.649	14.060	1.927	45.400
318	15.900	52.165	37.600	37.689	0.850	14.280	2.255	43.600
319	15.950	52.329	41.370	41.460	0.859	14.380	2.072	44.600
320	16.000	52.493	39.200	39.290	0.932	14.430	2.372	58.000
321	16.050	52.657	48.140	48.231	1.047	14.640	2.171	55.900
322	16.100	52.821	42.490	42.581	1.013	14.520	2.379	63.900
323	16.150	52.985	50.030	50.124	1.594	15.020	3.180	70.300
324	16.200	53.149	84.880	84.972	2.448	14.730	2.881	75.000
325	16.250	53.313	92.370	92.460	2.846	14.370	3.078	78.200
326	16.300	53.477	88.730	88.817	3.694	13.980	4.159	75.100
327	16.350	53.641	79.760	79.847	2.962	13.960	3.710	69.000
328	16.400	53.805	82.780	82.866	3.410	13.770	4.115	81.500
329	16.450	53.969	88.360	88.445	2.535	13.670	2.866	90.100
330	16.500	54.133	69.880	69.963	2.655	13.370	3.795	87.800
331	16.550	54.297	78.740	78.823	2.865	13.240	3.635	74.500
332	16.600	54.461	67.300	67.383	3.138	13.290	4.657	79.800
333	16.650	54.625	65.130	65.213	2.794	13.220	4.284	72.100
334	16.700	54.789	45.190	45.272	2.126	13.180	4.696	80.200
335	16.750	54.953	42.350	42.433	1.918	13.300	4.520	86.500
336	16.800	55.117	50.930	51.014	1.848	13.390	3.623	90.600
337	16.850	55.281	81.730	81.814	2.142	13.380	2.618	121.000
338	16.900	55.446	86.810	86.894	2.535	13.380	2.917	166.700
339	16.950	55.610	58.920	59.002	2.613	13.200	4.429	211.200
340	17.000	55.774	78.010	78.093	2.547	13.270	3.262	307.600
341	17.050	55.938	66.430	66.513	2.384	13.280	3.584	543.700
342	17.100	56.102	64.260	64.344	2.063	13.380	3.206	774.300
343	17.150	56.266	59.180	59.264	1.759	13.410	2.968	956.900
344	17.200	56.430	44.320	44.403	1.444	13.330	3.252	924.800
345	17.250	56.594	36.550	36.633	1.268	13.370	3.461	703.400
346	17.300	56.758	38.030	38.115	1.230	13.540	3.227	455.600
347	17.350	56.922	42.450	42.534	1.611	13.380	3.788	284.300
348	17.400	57.086	49.510	49.592	2.188	13.180	4.412	199.500
349	17.450	57.250	66.530	66.611	2.601	13.010	3.905	126.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
350	17.500	57.414	86.830	86.909	2.648	12.700	3.047	90.700
351	17.550	57.578	113.900	113.981	2.633	12.900	2.310	64.100
352	17.600	57.742	92.930	93.011	2.453	12.940	2.637	62.400
353	17.650	57.906	82.910	82.991	2.091	12.950	2.520	66.800
354	17.700	58.070	57.300	57.382	1.949	13.100	3.397	71.100
355	17.750	58.234	53.860	53.940	2.016	12.800	3.737	0.000
356	17.800	58.398	44.420	44.500	1.891	12.770	4.249	0.000
357	17.850	58.562	42.370	42.451	2.100	12.920	4.947	0.000
358	17.900	58.726	45.830	45.911	1.460	12.960	3.180	0.000
359	17.950	58.890	69.160	69.240	1.347	12.800	1.945	0.000
360	18.000	59.054	57.830	57.910	1.435	12.820	2.478	0.000
361	18.050	59.218	49.110	49.189	1.881	12.640	3.824	0.000
362	18.100	59.382	50.190	50.270	2.340	12.740	4.655	0.000
363	18.150	59.547	50.320	50.398	2.473	12.550	4.907	0.000
364	18.200	59.711	51.050	51.128	2.780	12.440	5.437	0.000
365	18.250	59.875	53.340	53.417	2.745	12.410	5.139	0.000
366	18.300	60.039	42.190	42.266	2.618	12.210	6.194	0.000
367	18.350	60.203	47.270	47.345	2.660	11.940	5.618	0.000
368	18.400	60.367	69.650	69.723	2.271	11.740	3.257	0.000
369	18.450	60.531	122.600	122.674	0.000	11.900	0.000	0.000
370	18.500	60.695	276.910	276.986	0.000	12.230	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221518
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-1C-13A
Cone ID:	224:T1500F15U500
Operator:	DC/YB/AD
CPT Date:	Feb-17-2014
CPT Time:	12:40
CPT File:	13-53075_GP1C-13.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722157.793
Northing / Lat:	4294288.572
Elevation:	146.212
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	0.140	0.139	0.010	-0.200	7.207	27.300
2	0.100	0.328	0.150	0.149	0.021	-0.180	14.106	42.700
3	0.150	0.492	0.330	0.319	0.034	-1.770	10.660	41.100
4	0.200	0.656	0.070	0.069	0.021	-0.130	30.352	52.900
5	0.250	0.820	2.130	2.135	0.039	0.820	1.827	40.200
6	0.300	0.984	1.930	1.942	0.069	1.880	3.554	63.400
7	0.350	1.148	4.600	4.601	0.083	0.180	1.804	77.900
8	0.400	1.312	2.480	2.489	0.075	1.390	3.014	82.800
9	0.450	1.476	3.100	3.289	0.060	30.340	1.824	66.500
10	0.500	1.640	11.540	11.785	4.331	39.320	36.749	65.300
11	0.550	1.804	431.450	431.469	4.016	3.050	0.931	60.000
12	0.600	1.968	234.960	234.961	7.678	0.170	3.268	59.800
13	0.650	2.133	175.640	175.675	5.077	5.540	2.890	59.600
14	0.700	2.297	162.420	162.432	1.617	1.990	0.995	65.700
15	0.750	2.461	39.910	39.904	1.938	-0.960	4.857	70.500
16	0.800	2.625	45.110	45.163	1.943	8.440	4.302	76.100
17	0.850	2.789	37.150	37.091	1.607	-9.520	4.333	87.400
18	0.900	2.953	58.130	58.086	1.404	-7.120	2.417	82.200
19	0.950	3.117	48.870	48.891	1.413	3.350	2.890	83.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	58.040	58.031	1.279	-1.520	2.204	94.900
21	1.050	3.445	54.110	54.072	1.216	-6.050	2.249	91.900
22	1.100	3.609	46.730	46.665	1.227	-10.410	2.629	90.700
23	1.150	3.773	37.330	37.266	1.114	-10.210	2.989	87.700
24	1.200	3.937	34.980	34.919	1.000	-9.810	2.864	88.100
25	1.250	4.101	38.410	38.358	1.069	-8.320	2.787	82.400
26	1.300	4.265	41.670	41.620	0.572	-8.070	1.374	73.500
27	1.350	4.429	150.380	150.352	0.364	-4.550	0.242	63.400
28	1.400	4.593	330.300	330.299	2.738	-0.130	0.829	54.500
29	1.450	4.757	418.990	418.983	2.522	-1.120	0.602	59.800
30	1.500	4.921	1.170	1.156	2.344	-2.170	202.689	59.000
31	1.550	5.085	1.410	1.396	0.048	-2.260	3.439	62.400
32	1.600	5.249	1.520	1.505	0.044	-2.420	2.924	51.000
33	1.650	5.413	1.070	1.056	0.042	-2.270	3.978	51.900
34	1.700	5.577	1.470	1.456	0.084	-2.170	5.767	46.500
35	1.750	5.741	1.560	1.547	1.383	-2.150	89.423	43.300
36	1.800	5.905	301.540	301.533	2.056	-1.050	0.682	43.700
37	1.850	6.069	71.830	71.887	2.026	9.210	2.818	39.200
38	1.900	6.234	13.050	13.070	1.827	3.140	13.979	39.200
39	1.950	6.398	24.620	24.628	0.356	1.280	1.446	48.400
40	2.000	6.562	12.660	12.718	0.364	9.220	2.862	44.600
41	2.050	6.726	13.090	13.144	0.296	8.710	2.252	48.200
42	2.100	6.890	35.300	35.347	0.582	7.450	1.647	45.800
43	2.150	7.054	58.000	58.009	0.669	1.430	1.153	63.200
44	2.200	7.218	15.840	15.882	0.673	6.650	4.238	66.200
45	2.250	7.382	16.290	16.388	0.424	15.740	2.587	68.700
46	2.300	7.546	14.430	14.457	0.225	4.380	1.556	75.800
47	2.350	7.710	11.720	11.854	0.222	21.480	1.873	69.400
48	2.400	7.874	13.380	13.550	0.213	27.190	1.572	72.700
49	2.450	8.038	19.660	19.817	0.326	25.140	1.645	67.500
50	2.500	8.202	20.500	20.477	0.265	-3.720	1.294	51.600
51	2.550	8.366	29.790	29.699	0.281	-14.600	0.946	45.600
52	2.600	8.530	58.860	58.849	0.457	-1.840	0.777	43.800
53	2.650	8.694	39.310	39.315	0.521	0.740	1.325	49.000
54	2.700	8.858	15.080	15.098	0.433	2.820	2.868	54.900
55	2.750	9.022	19.660	19.677	0.301	2.650	1.530	47.700
56	2.800	9.186	20.200	20.220	0.118	3.260	0.584	53.100
57	2.850	9.350	23.300	23.319	0.110	3.080	0.472	60.300
58	2.900	9.514	24.440	24.462	0.172	3.580	0.703	75.700
59	2.950	9.678	28.850	28.869	0.272	3.060	0.942	89.000
60	3.000	9.842	30.720	30.742	0.300	3.510	0.976	87.800
61	3.050	10.006	25.550	25.570	0.378	3.210	1.478	91.200
62	3.100	10.170	23.520	23.535	0.365	2.390	1.551	73.200
63	3.150	10.335	22.420	22.428	0.358	1.250	1.596	81.700
64	3.200	10.499	21.250	21.264	0.288	2.180	1.354	74.100
65	3.250	10.663	18.030	18.043	0.185	2.050	1.025	58.900
66	3.300	10.827	12.700	12.712	0.095	1.950	0.747	40.000
67	3.350	10.991	7.270	7.272	0.099	0.340	1.361	29.700
68	3.400	11.155	6.160	6.163	0.151	0.530	2.450	34.600
69	3.450	11.319	5.640	5.643	0.094	0.470	1.666	31.800
70	3.500	11.483	25.220	25.223	0.108	0.420	0.428	31.300
71	3.550	11.647	6.320	6.319	0.097	-0.200	1.535	32.200
72	3.600	11.811	3.130	3.134	0.091	0.580	2.904	28.000
73	3.650	11.975	13.890	13.897	0.232	1.100	1.669	40.400
74	3.700	12.139	26.940	26.939	0.323	-0.140	1.199	35.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	19.210	19.218	0.356	1.350	1.852	52.400
76	3.800	12.467	22.180	22.183	0.345	0.520	1.555	61.400
77	3.850	12.631	25.390	25.391	0.257	0.090	1.012	69.100
78	3.900	12.795	15.900	15.900	0.253	-0.060	1.591	79.200
79	3.950	12.959	19.120	19.143	0.262	3.660	1.369	73.100
80	4.000	13.123	28.500	28.504	0.372	0.640	1.305	59.500
81	4.050	13.287	25.820	25.829	0.464	1.510	1.796	53.800
82	4.100	13.451	52.520	52.536	0.567	2.550	1.079	44.000
83	4.150	13.615	82.350	82.354	0.616	0.680	0.748	27.100
84	4.200	13.779	35.620	35.585	0.679	-5.620	1.908	18.500
85	4.250	13.943	19.280	19.323	0.849	6.840	4.394	21.200
86	4.300	14.107	21.290	21.308	0.855	2.870	4.013	19.300
87	4.350	14.271	48.920	48.958	0.677	6.040	1.383	14.500
88	4.400	14.436	62.320	62.307	0.752	-2.050	1.207	18.000
89	4.450	14.600	35.240	35.244	0.695	0.650	1.972	15.000
90	4.500	14.764	35.040	35.048	0.644	1.330	1.837	14.700
91	4.550	14.928	18.430	18.444	0.498	2.200	2.700	17.800
92	4.600	15.092	32.650	32.648	0.639	-0.330	1.957	14.900
93	4.650	15.256	35.880	35.892	0.640	1.850	1.783	21.500
94	4.700	15.420	37.260	37.281	0.652	3.330	1.749	29.900
95	4.750	15.584	13.860	13.881	0.416	3.310	2.997	36.500
96	4.800	15.748	3.110	3.116	0.431	0.930	13.833	38.500
97	4.850	15.912	22.060	22.069	0.354	1.480	1.604	46.000
98	4.900	16.076	15.320	15.329	0.270	1.430	1.761	64.900
99	4.950	16.240	20.450	20.521	0.389	11.330	1.896	80.500
100	5.000	16.404	27.620	27.854	0.321	37.450	1.152	77.900
101	5.050	16.568	35.920	36.089	0.306	27.000	0.848	84.400
102	5.100	16.732	43.560	43.517	0.437	-6.900	1.004	74.200
103	5.150	16.896	37.350	37.311	0.466	-6.210	1.249	71.100
104	5.200	17.060	28.710	28.715	0.483	0.870	1.682	86.600
105	5.250	17.224	24.500	24.921	0.523	67.440	2.099	78.300
106	5.300	17.388	28.960	29.334	0.386	59.910	1.316	87.600
107	5.350	17.552	73.970	74.322	0.732	56.350	0.985	100.300
108	5.400	17.716	122.760	122.756	1.205	-0.640	0.982	92.700
109	5.450	17.880	120.020	119.957	1.804	-10.140	1.504	84.600
110	5.500	18.044	97.300	97.242	1.803	-9.260	1.854	79.800
111	5.550	18.208	80.730	80.671	2.485	-9.520	3.080	66.500
112	5.600	18.372	69.900	69.873	2.396	-4.290	3.429	55.100
113	5.650	18.537	66.980	66.952	2.194	-4.430	3.277	48.700
114	5.700	18.701	23.980	24.012	1.165	5.170	4.852	47.200
115	5.750	18.865	55.550	55.562	1.203	1.980	2.165	54.200
116	5.800	19.029	59.250	59.311	0.885	9.720	1.492	52.200
117	5.850	19.193	44.240	44.268	0.782	4.430	1.767	68.800
118	5.900	19.357	23.850	23.860	0.602	1.620	2.523	77.900
119	5.950	19.521	32.360	32.402	0.488	6.760	1.506	74.200
120	6.000	19.685	38.070	38.083	0.462	2.160	1.213	83.600
121	6.050	19.849	36.560	36.590	0.503	4.850	1.375	79.500
122	6.100	20.013	32.760	32.792	0.713	5.190	2.174	70.200
123	6.150	20.177	28.310	28.470	1.056	25.560	3.709	51.400
124	6.200	20.341	43.300	43.802	1.377	80.480	3.144	50.900
125	6.250	20.505	122.750	122.824	1.034	11.820	0.842	51.600
126	6.300	20.669	148.210	148.205	0.980	-0.860	0.661	46.100
127	6.350	20.833	100.920	100.939	1.112	3.080	1.102	49.000
128	6.400	20.997	27.790	27.843	1.243	8.540	4.464	52.200
129	6.450	21.161	54.620	54.620	1.228	0.080	2.248	56.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	69.000	68.996	0.466	-0.590	0.675	42.700
131	6.550	21.489	80.330	80.380	0.680	8.010	0.846	38.200
132	6.600	21.653	60.860	60.800	0.913	-9.580	1.502	35.900
133	6.650	21.817	50.790	50.841	1.174	8.160	2.309	35.500
134	6.700	21.981	259.170	259.197	1.165	4.260	0.449	32.600
135	6.750	22.145	148.620	148.626	1.144	0.970	0.770	34.900
136	6.800	22.309	59.940	59.909	1.147	-4.930	1.915	42.600
137	6.850	22.473	43.300	43.360	1.047	9.610	2.415	37.100
138	6.900	22.638	33.600	33.986	0.696	61.860	2.048	38.500
139	6.950	22.802	28.050	28.277	0.626	36.350	2.214	35.000
140	7.000	22.966	28.840	28.987	0.725	23.580	2.501	37.000
141	7.050	23.130	35.320	35.383	0.551	10.120	1.557	38.200
142	7.100	23.294	37.100	37.137	0.810	5.970	2.181	34.200
143	7.150	23.458	47.650	47.745	0.825	15.160	1.728	55.400
144	7.200	23.622	43.050	43.097	1.215	7.480	2.819	29.700
145	7.250	23.786	99.950	99.941	1.744	-1.390	1.745	36.200
146	7.300	23.950	69.140	69.160	1.455	3.130	2.104	31.600
147	7.350	24.114	77.730	77.727	1.270	-0.540	1.634	25.100
148	7.400	24.278	51.350	51.350	1.134	-0.050	2.208	20.800
149	7.450	24.442	44.370	44.476	0.549	16.930	1.234	23.300
150	7.500	24.606	35.820	35.972	0.901	24.380	2.505	23.800
151	7.550	24.770	34.990	35.156	1.058	26.590	3.009	16.800
152	7.600	24.934	25.460	25.860	0.937	64.130	3.623	16.300
153	7.650	25.098	20.160	20.467	0.821	49.200	4.011	21.500
154	7.700	25.262	8.810	8.823	0.783	2.120	8.874	19.400
155	7.750	25.426	18.480	18.578	1.349	15.720	7.261	20.600
156	7.800	25.590	93.720	93.781	1.374	9.760	1.465	30.100
157	7.850	25.754	48.840	48.902	1.473	9.890	3.012	30.100
158	7.900	25.918	46.900	47.133	0.923	37.400	1.958	28.500
159	7.950	26.082	44.190	44.255	0.786	10.450	1.776	29.200
160	8.000	26.246	41.070	41.208	1.807	22.100	4.385	35.500
161	8.050	26.410	27.410	27.572	0.784	25.950	2.843	44.900
162	8.100	26.574	71.450	71.495	0.681	7.180	0.953	41.400
163	8.150	26.739	84.040	84.047	1.334	1.150	1.587	52.400
164	8.200	26.903	57.210	57.220	1.047	1.530	1.830	65.000
165	8.250	27.067	29.080	29.083	1.012	0.450	3.480	74.900
166	8.300	27.231	28.560	28.797	0.744	37.890	2.584	91.400
167	8.350	27.395	37.800	37.771	1.098	-4.600	2.907	92.200
168	8.400	27.559	44.690	44.825	1.592	21.610	3.552	95.600
169	8.450	27.723	45.170	45.234	1.417	10.310	3.133	88.700
170	8.500	27.887	51.010	51.188	1.462	28.550	2.856	88.000
171	8.550	28.051	65.540	65.594	1.420	8.660	2.165	84.700
172	8.600	28.215	60.260	60.259	1.372	-0.100	2.277	76.300
173	8.650	28.379	49.660	49.638	1.149	-3.590	2.315	67.900
174	8.700	28.543	39.480	39.509	1.102	4.720	2.789	61.300
175	8.750	28.707	36.210	36.218	1.010	1.350	2.789	63.600
176	8.800	28.871	30.950	31.031	1.194	12.910	3.848	69.600
177	8.850	29.035	43.990	44.089	1.197	15.870	2.715	71.800
178	8.900	29.199	55.070	55.117	1.071	7.500	1.943	77.400
179	8.950	29.363	58.830	58.822	1.008	-1.280	1.714	82.900
180	9.000	29.527	56.780	56.760	1.134	-3.200	1.998	70.000
181	9.050	29.691	47.770	47.747	1.125	-3.750	2.356	59.000
182	9.100	29.855	51.960	51.924	1.257	-5.720	2.421	43.100
183	9.150	30.019	50.720	50.722	1.283	0.330	2.529	35.300
184	9.200	30.183	43.620	43.677	2.076	9.120	4.753	30.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	66.250	66.281	2.285	4.980	3.447	25.400
186	9.300	30.511	152.700	152.844	7.598	22.990	4.971	18.700
187	9.350	30.675	49.190	49.321	7.285	20.970	14.771	11.600
188	9.400	30.840	8.370	8.382	4.736	1.860	56.505	14.100
189	9.450	31.004	2.550	2.556	8.219	0.960	321.558	10.600
190	9.500	31.168	73.800	73.837	4.664	5.860	6.317	16.000
191	9.550	31.332	329.450	329.467	6.206	2.660	1.884	27.100
192	9.600	31.496	412.560	412.548	6.377	-1.900	1.546	29.200
193	9.650	31.660	41.320	41.375	6.230	8.770	15.057	35.100
194	9.700	31.824	52.500	52.580	1.246	12.840	2.370	41.900
195	9.750	31.988	26.670	26.747	1.007	12.290	3.765	54.600
196	9.800	32.152	17.700	17.770	0.710	11.260	3.995	59.400
197	9.850	32.316	23.050	23.260	0.723	33.670	3.108	71.600
198	9.900	32.480	30.140	30.266	0.941	20.200	3.109	51.600
199	9.950	32.644	41.270	41.308	0.887	6.040	2.147	41.400
200	10.000	32.808	45.300	45.301	1.415	0.180	3.124	30.800
201	10.050	32.972	53.330	53.307	1.545	-3.750	2.898	32.200
202	10.100	33.136	53.630	53.709	2.369	12.660	4.411	22.900
203	10.150	33.300	94.790	94.868	2.544	12.520	2.682	40.100
204	10.200	33.464	94.710	95.133	2.484	67.780	2.611	48.200
205	10.250	33.628	97.840	97.881	1.971	6.540	2.014	58.200
206	10.300	33.792	104.050	104.085	2.020	5.610	1.941	71.800
207	10.350	33.956	74.010	74.334	2.193	51.860	2.950	89.400
208	10.400	34.120	61.530	61.626	2.220	15.340	3.602	107.300
209	10.450	34.284	57.750	57.849	1.809	15.830	3.127	85.200
210	10.500	34.448	48.340	48.444	2.043	16.710	4.217	81.000
211	10.550	34.612	69.280	69.375	1.551	15.290	2.236	66.600
212	10.600	34.776	119.860	119.915	0.875	8.800	0.730	54.400
213	10.650	34.941	97.430	97.453	1.044	3.650	1.071	43.200
214	10.700	35.105	94.570	94.604	1.627	5.430	1.720	28.000
215	10.750	35.269	59.010	59.017	1.825	1.130	3.092	34.300
216	10.800	35.433	47.340	47.375	1.745	5.670	3.683	34.000
217	10.850	35.597	47.940	47.999	1.298	9.440	2.704	23.500
218	10.900	35.761	29.080	29.098	1.173	2.850	4.031	23.800
219	10.950	35.925	29.450	29.492	1.097	6.690	3.720	23.500
220	11.000	36.089	33.300	33.345	1.071	7.150	3.212	29.900
221	11.050	36.253	61.270	61.291	1.148	3.310	1.873	34.200
222	11.100	36.417	56.530	56.555	1.069	4.050	1.890	39.500
223	11.150	36.581	52.770	52.813	0.897	6.850	1.698	39.500
224	11.200	36.745	53.890	53.900	0.763	1.590	1.416	41.400
225	11.250	36.909	45.570	45.590	1.101	3.270	2.415	35.400
226	11.300	37.073	47.540	47.577	1.728	5.920	3.632	27.500
227	11.350	37.237	68.120	68.163	1.676	6.880	2.459	24.500
228	11.400	37.401	97.940	98.395	1.768	72.930	1.797	19.300
229	11.450	37.565	137.070	137.163	2.228	14.880	1.624	19.700
230	11.500	37.729	78.080	78.115	1.828	5.580	2.340	17.500
231	11.550	37.893	40.310	40.344	1.529	5.490	3.790	18.500
232	11.600	38.057	47.390	47.445	1.020	8.780	2.150	23.500
233	11.650	38.221	39.330	39.361	1.023	5.020	2.599	31.300
234	11.700	38.385	45.810	45.841	0.590	4.960	1.287	31.300
235	11.750	38.549	50.800	50.808	0.662	1.280	1.303	31.900
236	11.800	38.713	46.460	46.452	0.945	-1.290	2.034	30.500
237	11.850	38.877	29.800	29.821	0.845	3.290	2.834	29.400
238	11.900	39.042	55.740	55.752	0.872	1.990	1.564	18.500
239	11.950	39.206	43.620	43.670	1.014	8.080	2.322	17.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	30.250	30.315	1.088	10.450	3.589	15.500
241	12.050	39.534	47.650	47.790	0.875	22.410	1.831	13.900
242	12.100	39.698	17.770	17.779	0.661	1.450	3.718	14.400
243	12.150	39.862	7.870	7.898	0.386	4.460	4.887	15.000
244	12.200	40.026	2.980	2.986	0.414	0.890	13.867	21.100
245	12.250	40.190	8.470	8.574	0.944	16.660	11.010	23.100
246	12.300	40.354	25.370	25.487	1.240	18.680	4.865	32.500
247	12.350	40.518	37.800	37.865	1.361	10.460	3.594	41.000
248	12.400	40.682	56.290	56.535	1.716	39.290	3.035	42.200
249	12.450	40.846	101.670	101.652	1.641	-2.830	1.614	35.500
250	12.500	41.010	103.670	103.635	1.475	-5.660	1.423	40.100
251	12.550	41.174	107.990	107.964	1.798	-4.160	1.665	28.800
252	12.600	41.338	96.670	96.656	1.532	-2.170	1.585	22.700
253	12.650	41.502	32.810	32.829	1.152	2.980	3.509	23.100
254	12.700	41.666	18.810	18.843	1.399	5.270	7.425	22.500
255	12.750	41.830	18.390	18.420	1.969	4.860	10.689	26.100
256	12.800	41.994	53.590	53.678	1.823	14.080	3.396	25.300
257	12.850	42.158	76.390	76.511	1.917	19.320	2.506	23.900
258	12.900	42.322	63.180	63.305	1.890	20.050	2.986	29.700
259	12.950	42.486	33.540	33.740	1.511	32.050	4.478	34.400
260	13.000	42.650	32.590	33.164	0.984	92.010	2.967	29.900
261	13.050	42.814	33.740	34.198	0.845	73.340	2.471	15.400
262	13.100	42.978	19.580	19.816	1.015	37.760	5.122	12.500
263	13.150	43.143	30.160	30.779	1.021	99.200	3.317	12.600
264	13.200	43.307	32.360	32.554	0.818	31.140	2.513	12.500
265	13.250	43.471	25.260	25.299	0.612	6.320	2.419	12.300
266	13.300	43.635	14.210	14.225	0.427	2.360	3.002	13.800
267	13.350	43.799	16.140	16.156	0.377	2.510	2.334	15.200
268	13.400	43.963	17.660	17.693	0.583	5.230	3.295	14.000
269	13.450	44.127	20.230	20.287	0.609	9.060	3.002	16.400
270	13.500	44.291	32.390	32.425	1.202	5.580	3.707	18.200
271	13.550	44.455	49.800	49.953	1.271	24.430	2.544	21.900
272	13.600	44.619	45.930	45.976	1.355	7.420	2.947	0.000
273	13.650	44.783	43.470	43.585	1.166	18.480	2.675	0.000
274	13.700	44.947	21.050	21.174	0.933	19.890	4.406	0.000
275	13.750	45.111	19.420	19.562	0.901	22.710	4.606	0.000
276	13.800	45.275	20.590	20.697	0.743	17.120	3.590	0.000
277	13.850	45.439	32.600	32.754	1.016	24.660	3.102	0.000
278	13.900	45.603	85.680	85.828	1.367	23.630	1.593	0.000
279	13.950	45.767	40.020	40.100	1.196	12.810	2.983	0.000
280	14.000	45.931	39.870	39.915	1.694	7.260	4.244	0.000
281	14.050	46.095	26.180	26.255	1.427	11.990	5.435	0.000
282	14.100	46.259	39.130	39.164	1.222	5.490	3.120	0.000
283	14.150	46.423	27.300	27.308	0.974	1.210	3.567	0.000
284	14.200	46.587	33.160	33.230	1.776	11.220	5.345	0.000
285	14.250	46.751	40.520	40.541	2.458	3.380	6.063	0.000
286	14.300	46.915	134.400	134.481	0.000	12.960	0.000	0.000
287	14.350	47.079	465.600	465.636	0.000	5.760	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221662
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-28
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-13-2013
CPT Time:	13:39
CPT File:	13-53075_GP28.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722206.813
Northing / Lat:	4294372.783
Elevation:	146.326
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	43.240	43.241	0.176	0.170	0.407	55.500
2	0.100	0.328	41.880	41.881	0.281	0.100	0.671	71.000
3	0.150	0.492	40.480	40.483	0.511	0.500	1.262	79.000
4	0.200	0.656	21.480	21.483	0.644	0.460	2.998	104.100
5	0.250	0.820	13.010	13.020	0.752	1.550	5.776	96.200
6	0.300	0.984	14.080	14.060	0.934	-3.180	6.643	100.800
7	0.350	1.148	36.950	36.931	1.161	-3.010	3.144	122.200
8	0.400	1.312	35.430	35.427	1.383	-0.510	3.904	110.200
9	0.450	1.476	27.910	27.912	1.197	0.320	4.288	106.300
10	0.500	1.640	33.600	33.599	1.497	-0.150	4.455	111.100
11	0.550	1.804	38.410	38.413	1.371	0.540	3.569	102.200
12	0.600	1.968	37.460	37.461	1.811	0.100	4.834	101.300
13	0.650	2.133	40.770	40.771	1.248	0.100	3.061	88.300
14	0.700	2.297	47.900	47.904	1.226	0.580	2.559	88.100
15	0.750	2.461	49.910	49.919	0.862	1.470	1.727	82.700
16	0.800	2.625	34.860	34.861	0.745	0.230	2.137	90.100
17	0.850	2.789	25.520	25.525	0.797	0.860	3.122	93.300
18	0.900	2.953	30.250	30.252	0.547	0.370	1.808	92.600
19	0.950	3.117	31.340	31.345	0.918	0.740	2.929	96.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	32.640	32.646	0.926	1.030	2.836	85.900
21	1.050	3.445	25.680	25.685	0.732	0.810	2.850	107.200
22	1.100	3.609	26.390	26.393	0.419	0.470	1.588	81.700
23	1.150	3.773	25.660	25.658	0.445	-0.320	1.734	96.900
24	1.200	3.937	24.890	24.891	0.524	0.230	2.105	94.400
25	1.250	4.101	22.390	22.391	0.680	0.110	3.037	91.100
26	1.300	4.265	24.760	24.760	0.789	0.000	3.187	92.000
27	1.350	4.429	22.750	22.749	0.814	-0.120	3.578	97.000
28	1.400	4.593	20.730	20.731	0.712	0.090	3.435	98.200
29	1.450	4.757	19.090	19.092	0.670	0.260	3.509	95.700
30	1.500	4.921	17.000	17.001	0.639	0.170	3.759	92.400
31	1.550	5.085	18.290	18.291	0.607	0.120	3.319	94.100
32	1.600	5.249	16.050	16.050	0.545	-0.060	3.396	78.000
33	1.650	5.413	13.980	13.980	0.554	0.070	3.963	86.800
34	1.700	5.577	12.640	12.640	0.485	-0.050	3.837	79.600
35	1.750	5.741	11.500	11.498	0.420	-0.380	3.653	93.200
36	1.800	5.905	9.910	9.907	0.350	-0.550	3.533	85.900
37	1.850	6.069	10.340	10.328	0.331	-1.870	3.205	84.200
38	1.900	6.234	11.670	11.664	0.361	-0.940	3.095	83.800
39	1.950	6.398	11.560	11.556	0.365	-0.570	3.158	87.900
40	2.000	6.562	10.050	10.043	0.326	-1.190	3.246	84.300
41	2.050	6.726	9.080	9.076	0.312	-0.590	3.438	99.100
42	2.100	6.890	8.050	8.046	0.269	-0.660	3.343	99.600
43	2.150	7.054	9.950	9.939	0.306	-1.720	3.079	95.600
44	2.200	7.218	10.320	10.306	0.285	-2.280	2.765	81.400
45	2.250	7.382	10.110	10.103	0.324	-1.070	3.207	90.500
46	2.300	7.546	9.610	9.598	0.341	-1.900	3.553	81.800
47	2.350	7.710	9.390	9.385	0.360	-0.810	3.836	91.900
48	2.400	7.874	8.330	8.321	0.282	-1.370	3.389	95.600
49	2.450	8.038	8.690	8.683	0.587	-1.190	6.761	96.200
50	2.500	8.202	17.980	17.978	0.591	-0.290	3.287	103.300
51	2.550	8.366	8.650	8.647	0.565	-0.470	6.534	96.500
52	2.600	8.530	8.230	8.226	0.331	-0.620	4.024	98.900
53	2.650	8.694	8.250	8.229	0.334	-3.380	4.059	96.700
54	2.700	8.858	8.020	8.018	0.335	-0.350	4.178	100.900
55	2.750	9.022	9.150	9.146	0.347	-0.630	3.794	95.200
56	2.800	9.186	9.670	9.646	0.369	-3.770	3.825	92.200
57	2.850	9.350	7.780	7.776	0.386	-0.570	4.964	86.500
58	2.900	9.514	8.490	8.482	0.276	-1.220	3.254	83.500
59	2.950	9.678	9.340	9.335	0.292	-0.860	3.128	100.200
60	3.000	9.842	171.970	171.965	0.234	-0.810	0.136	84.200
61	3.050	10.006	181.820	181.817	0.346	-0.530	0.190	77.000
62	3.100	10.170	175.450	175.448	0.430	-0.350	0.245	74.400
63	3.150	10.335	54.160	54.158	1.767	-0.360	3.263	75.900
64	3.200	10.499	49.150	49.151	1.731	0.090	3.522	83.700
65	3.250	10.663	17.700	17.705	1.605	0.740	9.065	89.300
66	3.300	10.827	20.940	20.941	0.717	0.090	3.424	88.500
67	3.350	10.991	10.380	10.380	0.606	0.050	5.838	93.300
68	3.400	11.155	7.900	7.920	0.560	3.260	7.070	98.800
69	3.450	11.319	9.970	9.989	0.488	3.090	4.885	86.500
70	3.500	11.483	10.730	10.721	0.550	-1.460	5.130	91.300
71	3.550	11.647	10.960	10.967	0.597	1.060	5.444	93.700
72	3.600	11.811	13.130	13.137	0.580	1.050	4.415	92.500
73	3.650	11.975	12.820	12.824	0.495	0.680	3.860	107.800
74	3.700	12.139	10.320	10.322	0.435	0.290	4.214	103.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	11.180	11.178	0.257	-0.350	2.299	110.400
76	3.800	12.467	14.680	14.677	0.169	-0.410	1.151	97.600
77	3.850	12.631	20.520	20.518	0.207	-0.400	1.009	103.000
78	3.900	12.795	21.730	21.729	0.304	-0.120	1.399	84.200
79	3.950	12.959	19.100	19.099	0.350	-0.150	1.833	84.800
80	4.000	13.123	21.710	21.704	0.406	-1.040	1.871	76.700
81	4.050	13.287	26.290	26.277	0.463	-2.070	1.762	70.800
82	4.100	13.451	26.560	26.535	0.615	-4.070	2.318	54.300
83	4.150	13.615	27.440	27.418	0.639	-3.540	2.331	48.900
84	4.200	13.779	17.120	17.094	0.607	-4.240	3.551	42.300
85	4.250	13.943	12.160	12.155	0.446	-0.860	3.669	33.800
86	4.300	14.107	2.720	2.718	0.324	-0.340	11.921	35.500
87	4.350	14.271	9.400	9.396	0.295	-0.570	3.139	21.800
88	4.400	14.436	3.470	3.462	0.272	-1.210	7.856	29.100
89	4.450	14.600	3.820	3.820	0.304	0.010	7.958	28.700
90	4.500	14.764	5.450	5.456	0.238	0.940	4.362	28.000
91	4.550	14.928	6.130	6.142	0.232	1.910	3.777	31.400
92	4.600	15.092	12.900	12.906	0.298	0.940	2.309	29.900
93	4.650	15.256	8.920	8.928	0.311	1.240	3.484	40.600
94	4.700	15.420	14.870	14.886	0.377	2.500	2.533	43.800
95	4.750	15.584	19.230	19.235	0.292	0.780	1.518	59.200
96	4.800	15.748	8.200	8.207	0.285	1.190	3.472	66.700
97	4.850	15.912	6.480	6.492	0.282	1.880	4.344	77.300
98	4.900	16.076	9.150	9.157	0.212	1.050	2.315	79.100
99	4.950	16.240	4.230	4.234	0.150	0.710	3.542	82.100
100	5.000	16.404	7.810	7.815	0.196	0.860	2.508	83.600
101	5.050	16.568	8.630	8.638	0.184	1.330	2.130	71.600
102	5.100	16.732	10.540	10.554	0.350	2.260	3.316	68.800
103	5.150	16.896	12.490	12.524	0.349	5.490	2.787	56.000
104	5.200	17.060	22.040	22.098	0.439	9.220	1.987	57.000
105	5.250	17.224	19.640	19.675	0.669	5.620	3.400	47.900
106	5.300	17.388	25.750	25.770	0.784	3.240	3.042	49.100
107	5.350	17.552	20.100	20.093	0.520	-1.160	2.588	0.000
108	5.400	17.716	18.680	18.660	1.317	-3.190	7.058	0.000
109	5.450	17.880	230.760	230.744	1.463	-2.640	0.634	0.000
110	5.500	18.044	295.690	295.697	1.112	1.160	0.376	0.000
111	5.550	18.208	172.470	172.469	1.532	-0.180	0.888	0.000
112	5.600	18.372	104.530	104.529	3.849	-0.230	3.682	0.000
113	5.650	18.537	141.980	141.981	2.346	0.230	1.652	0.000
114	5.700	18.701	109.730	109.729	2.868	-0.110	2.614	0.000
115	5.750	18.865	136.430	136.426	3.426	-0.720	2.511	0.000
116	5.800	19.029	107.370	107.370	1.542	-0.040	1.436	0.000
117	5.850	19.193	201.090	201.088	2.919	-0.320	1.452	0.000
118	5.900	19.357	222.620	222.616	4.945	-0.690	2.221	0.000
119	5.950	19.521	205.580	205.584	6.014	0.610	2.925	0.000
120	6.000	19.685	181.490	181.489	5.637	-0.200	3.106	0.000
121	6.050	19.849	195.880	195.878	0.000	-0.270	0.000	0.000
122	6.100	20.013	357.790	357.786	0.000	-0.630	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221663
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-28A
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-14-2013
CPT Time:	06:48
CPT File:	13-53075_GP28A.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722207.118
Northing / Lat:	4294372.783
Elevation:	146.337
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
1	0.050	0.164	2.800	2.813	0.002	2.130	0.071	27.800
2	0.100	0.328	14.280	14.298	0.075	2.820	0.525	32.100
3	0.150	0.492	58.020	58.025	0.400	0.770	0.689	42.000
4	0.200	0.656	60.950	60.956	0.292	0.980	0.479	54.200
5	0.250	0.820	55.050	55.049	0.407	-0.120	0.739	65.000
6	0.300	0.984	42.640	42.640	0.532	0.050	1.248	86.900
7	0.350	1.148	16.070	16.072	0.793	0.380	4.934	92.600
8	0.400	1.312	18.670	18.673	1.019	0.560	5.457	107.200
9	0.450	1.476	24.980	24.967	1.205	-2.010	4.826	103.300
10	0.500	1.640	35.300	35.286	1.376	-2.260	3.900	109.500
11	0.550	1.804	43.280	43.288	2.529	1.290	5.842	102.100
12	0.600	1.968	60.910	60.916	2.453	0.900	4.027	96.900
13	0.650	2.133	333.570	333.574	2.128	0.620	0.638	74.600
14	0.700	2.297	319.860	319.865	5.966	0.790	1.865	67.900
15	0.750	2.461	255.670	255.672	7.048	0.260	2.757	62.200
16	0.800	2.625	130.490	130.492	6.433	0.370	4.930	70.400
17	0.850	2.789	59.390	59.392	4.409	0.330	7.424	72.600
18	0.900	2.953	77.220	77.223	1.359	0.470	1.760	76.300
19	0.950	3.117	59.060	59.071	1.185	1.840	2.006	93.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	40.790	40.796	1.265	1.040	3.101	94.300
21	1.050	3.445	33.740	33.750	1.266	1.550	3.751	103.100
22	1.100	3.609	29.270	29.279	1.141	1.460	3.897	93.300
23	1.150	3.773	30.620	30.631	1.157	1.710	3.777	94.700
24	1.200	3.937	25.570	25.578	1.108	1.330	4.332	101.400
25	1.250	4.101	25.950	25.958	0.984	1.330	3.791	96.700
26	1.300	4.265	26.080	26.088	1.009	1.310	3.868	102.300
27	1.350	4.429	26.570	26.576	0.892	1.040	3.356	87.000
28	1.400	4.593	27.930	27.938	0.902	1.310	3.229	91.400
29	1.450	4.757	27.770	27.775	0.774	0.830	2.787	95.000
30	1.500	4.921	28.450	28.455	0.786	0.880	2.762	103.900
31	1.550	5.085	25.430	25.430	0.810	-0.070	3.185	81.800
32	1.600	5.249	23.630	23.631	0.747	0.090	3.161	87.100
33	1.650	5.413	21.430	21.430	0.641	-0.040	2.991	91.400
34	1.700	5.577	19.140	19.140	0.566	0.080	2.957	96.100
35	1.750	5.741	17.860	17.862	0.541	0.280	3.029	96.700
36	1.800	5.905	17.560	17.562	0.510	0.350	2.904	89.300
37	1.850	6.069	16.680	16.688	0.471	1.350	2.822	90.000
38	1.900	6.234	15.010	15.011	0.388	0.240	2.585	90.500
39	1.950	6.398	13.380	13.381	0.353	0.160	2.638	92.900
40	2.000	6.562	13.710	13.710	0.389	-0.050	2.837	81.100
41	2.050	6.726	14.430	14.434	0.377	0.710	2.612	98.600
42	2.100	6.890	13.010	13.014	0.347	0.650	2.666	91.800
43	2.150	7.054	11.050	11.049	0.305	-0.170	2.760	89.300
44	2.200	7.218	10.640	10.639	0.287	-0.130	2.698	91.900
45	2.250	7.382	10.000	10.005	0.303	0.770	3.029	88.100
46	2.300	7.546	9.930	9.934	0.323	0.570	3.252	100.100
47	2.350	7.710	9.840	9.845	0.338	0.810	3.433	89.100
48	2.400	7.874	9.750	9.755	0.336	0.820	3.444	97.200
49	2.450	8.038	9.740	9.742	0.334	0.290	3.429	92.200
50	2.500	8.202	9.210	9.212	0.327	0.380	3.550	96.400
51	2.550	8.366	9.320	9.321	0.335	0.220	3.594	94.200
52	2.600	8.530	9.760	9.760	0.330	0.020	3.381	89.200
53	2.650	8.694	9.780	9.781	0.286	0.090	2.924	100.000
54	2.700	8.858	10.280	10.280	0.235	-0.030	2.286	98.600
55	2.750	9.022	10.160	10.158	0.206	-0.400	2.028	98.700
56	2.800	9.186	9.740	9.739	0.265	-0.170	2.721	94.200
57	2.850	9.350	9.620	9.618	0.314	-0.320	3.265	92.100
58	2.900	9.514	9.720	9.720	0.326	-0.060	3.354	87.500
59	2.950	9.678	10.130	10.131	0.340	0.230	3.356	91.000
60	3.000	9.842	9.820	9.820	0.309	0.030	3.147	97.300
61	3.050	10.006	10.500	10.501	0.245	0.110	2.333	99.900
62	3.100	10.170	15.700	15.704	0.190	0.680	1.210	101.300
63	3.150	10.335	13.710	13.711	0.163	0.100	1.189	87.100
64	3.200	10.499	11.190	11.191	0.218	0.140	1.948	101.800
65	3.250	10.663	10.450	10.451	0.279	0.180	2.670	99.800
66	3.300	10.827	9.710	9.713	0.298	0.460	3.068	95.000
67	3.350	10.991	9.410	9.412	0.293	0.360	3.113	88.300
68	3.400	11.155	9.390	9.393	0.297	0.550	3.162	90.400
69	3.450	11.319	9.570	9.571	0.297	0.130	3.103	90.700
70	3.500	11.483	10.010	10.017	0.306	1.080	3.055	90.200
71	3.550	11.647	9.560	9.565	0.311	0.740	3.252	103.800
72	3.600	11.811	9.500	9.503	0.313	0.480	3.294	105.600
73	3.650	11.975	11.190	11.199	0.336	1.510	3.000	107.700
74	3.700	12.139	11.380	11.392	0.352	1.980	3.090	113.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	12.190	12.204	0.381	2.260	3.122	107.300
76	3.800	12.467	16.960	16.971	0.480	1.760	2.828	103.600
77	3.850	12.631	27.810	27.833	0.753	3.730	2.705	102.000
78	3.900	12.795	34.130	34.149	1.062	3.050	3.110	104.300
79	3.950	12.959	32.600	32.618	1.111	2.850	3.406	104.200
80	4.000	13.123	30.820	30.837	1.007	2.720	3.266	105.100
81	4.050	13.287	30.320	30.332	0.870	1.940	2.868	99.300
82	4.100	13.451	33.440	33.449	0.810	1.460	2.422	101.500
83	4.150	13.615	31.640	31.635	0.701	-0.790	2.216	94.500
84	4.200	13.779	28.960	28.952	0.581	-1.240	2.007	92.900
85	4.250	13.943	18.820	18.810	0.463	-1.620	2.461	96.800
86	4.300	14.107	26.590	26.587	0.276	-0.420	1.038	96.500
87	4.350	14.271	59.840	59.852	0.295	1.980	0.493	102.600
88	4.400	14.436	61.160	61.157	0.667	-0.430	1.091	74.100
89	4.450	14.600	30.880	30.880	0.481	0.070	1.558	72.200
90	4.500	14.764	25.210	25.213	0.484	0.410	1.920	48.100
91	4.550	14.928	15.010	15.019	0.485	1.450	3.229	41.100
92	4.600	15.092	14.770	14.779	0.485	1.420	3.282	40.900
93	4.650	15.256	14.610	14.619	0.775	1.510	5.301	20.800
94	4.700	15.420	14.320	14.330	0.757	1.590	5.283	21.600
95	4.750	15.584	36.200	36.203	0.318	0.410	0.878	24.800
96	4.800	15.748	41.170	41.194	0.390	3.910	0.947	26.200
97	4.850	15.912	37.960	37.960	0.386	-0.030	1.017	24.200
98	4.900	16.076	38.740	38.754	0.296	2.310	0.764	32.100
99	4.950	16.240	33.200	33.244	0.546	7.040	1.642	37.400
100	5.000	16.404	26.940	26.987	0.437	7.460	1.619	49.400
101	5.050	16.568	22.820	22.867	0.458	7.540	2.003	54.000
102	5.100	16.732	21.590	21.617	0.366	4.350	1.693	70.700
103	5.150	16.896	20.450	20.479	0.262	4.600	1.279	74.700
104	5.200	17.060	25.100	25.130	0.228	4.800	0.907	82.900
105	5.250	17.224	27.810	27.878	0.172	10.960	0.617	103.200
106	5.300	17.388	29.090	29.149	0.120	9.390	0.412	243.000
107	5.350	17.552	28.450	28.506	0.106	9.040	0.372	171.400
108	5.400	17.716	26.340	26.385	0.230	7.280	0.872	116.000
109	5.450	17.880	25.920	25.959	0.225	6.250	0.867	16.500
110	5.500	18.044	32.260	32.297	0.259	5.890	0.802	44.000
111	5.550	18.208	39.530	39.571	0.296	6.580	0.748	43.200
112	5.600	18.372	41.560	41.602	0.582	6.770	1.399	43.600
113	5.650	18.537	37.010	37.049	0.460	6.220	1.242	44.000
114	5.700	18.701	100.450	100.481	0.521	5.040	0.519	53.600
115	5.750	18.865	55.050	55.055	0.476	0.740	0.865	212.000
116	5.800	19.029	41.990	42.019	0.963	4.600	2.292	69.200
117	5.850	19.193	54.490	54.501	0.906	1.840	1.662	199.600
118	5.900	19.357	55.970	55.966	0.685	-0.630	1.224	43.400
119	5.950	19.521	124.900	124.938	0.797	6.010	0.638	45.600
120	6.000	19.685	103.380	103.381	0.828	0.090	0.801	42.000
121	6.050	19.849	187.760	187.762	0.962	0.340	0.512	55.000
122	6.100	20.013	209.320	209.320	3.063	0.080	1.463	77.000
123	6.150	20.177	164.030	164.035	4.248	0.770	2.590	86.800
124	6.200	20.341	238.260	238.258	7.723	-0.250	3.241	41.100
125	6.250	20.505	240.130	240.130	5.275	0.030	2.197	30.900
126	6.300	20.669	156.200	156.205	2.416	0.840	1.547	28.900
127	6.350	20.833	58.330	58.337	3.867	1.050	6.629	26.900
128	6.400	20.997	121.500	121.499	5.403	-0.120	4.447	28.300
129	6.450	21.161	231.770	231.770	4.278	-0.010	1.846	26.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	257.330	257.331	1.506	0.100	0.585	33.200
131	6.550	21.489	330.070	330.071	2.277	0.190	0.690	31.200
132	6.600	21.653	165.420	165.422	3.729	0.330	2.254	29.700
133	6.650	21.817	173.910	173.913	1.771	0.480	1.018	33.100
134	6.700	21.981	142.970	142.975	3.480	0.730	2.434	31.000
135	6.750	22.145	64.050	64.060	3.352	1.590	5.233	31.900
136	6.800	22.309	152.190	152.193	2.476	0.560	1.627	41.400
137	6.850	22.473	161.920	161.924	1.983	0.640	1.225	43.200
138	6.900	22.638	80.050	80.053	1.496	0.540	1.869	50.100
139	6.950	22.802	126.980	126.983	2.577	0.560	2.029	44.600
140	7.000	22.966	41.880	41.886	4.354	0.890	10.395	53.500
141	7.050	23.130	72.860	72.861	4.021	0.090	5.519	53.400
142	7.100	23.294	290.210	290.214	2.397	0.620	0.826	63.800
143	7.150	23.458	198.680	198.684	2.424	0.620	1.220	69.700
144	7.200	23.622	68.560	68.563	2.719	0.450	3.966	96.000
145	7.250	23.786	77.600	77.603	2.159	0.500	2.782	126.000
146	7.300	23.950	39.400	39.405	0.740	0.750	1.878	163.200
147	7.350	24.114	21.570	21.584	0.568	2.170	2.632	236.700
148	7.400	24.278	35.270	35.255	0.525	-2.460	1.489	408.200
149	7.450	24.442	30.080	30.084	0.820	0.580	2.726	551.000
150	7.500	24.606	33.630	33.628	0.683	-0.300	2.031	861.400
151	7.550	24.770	10.150	10.179	0.558	4.630	5.482	1164.100
152	7.600	24.934	13.060	13.110	0.350	7.960	2.670	1375.200
153	7.650	25.098	17.030	17.117	0.361	13.910	2.109	1291.100
154	7.700	25.262	21.220	21.335	0.476	18.380	2.231	847.900
155	7.750	25.426	40.820	40.887	0.789	10.710	1.930	478.700
156	7.800	25.590	42.940	42.920	0.888	-3.230	2.069	308.100
157	7.850	25.754	39.910	39.895	1.020	-2.420	2.557	205.700
158	7.900	25.918	37.280	37.257	0.890	-3.620	2.389	153.700
159	7.950	26.082	39.490	39.463	1.180	-4.390	2.990	138.500
160	8.000	26.246	45.780	45.713	1.167	-10.780	2.553	113.600
161	8.050	26.410	35.220	35.167	1.147	-8.560	3.262	109.600
162	8.100	26.574	31.980	31.928	0.706	-8.260	2.211	108.400
163	8.150	26.739	27.660	27.612	0.499	-7.730	1.807	95.200
164	8.200	26.903	27.190	27.152	0.711	-6.080	2.619	92.800
165	8.250	27.067	29.510	29.468	0.783	-6.760	2.657	96.500
166	8.300	27.231	24.670	24.624	0.538	-7.430	2.185	103.300
167	8.350	27.395	15.040	15.001	0.361	-6.180	2.406	91.900
168	8.400	27.559	11.870	11.844	0.277	-4.210	2.339	92.400
169	8.450	27.723	9.740	9.724	0.236	-2.580	2.427	88.300
170	8.500	27.887	9.900	9.892	0.251	-1.350	2.538	79.700
171	8.550	28.051	12.290	12.289	0.555	-0.100	4.516	79.000
172	8.600	28.215	18.750	18.753	0.489	0.520	2.608	62.800
173	8.650	28.379	11.760	11.754	0.680	-0.950	5.785	58.300
174	8.700	28.543	33.590	33.580	0.826	-1.580	2.460	57.800
175	8.750	28.707	32.300	32.292	0.621	-1.260	1.923	47.600
176	8.800	28.871	44.360	44.384	0.607	3.830	1.368	39.700
177	8.850	29.035	48.640	48.643	0.543	0.560	1.116	37.600
178	8.900	29.199	29.650	29.677	0.582	4.330	1.961	48.700
179	8.950	29.363	12.490	12.485	0.731	-0.780	5.855	56.700
180	9.000	29.527	15.370	15.381	0.694	1.830	4.512	52.900
181	9.050	29.691	18.370	18.384	0.550	2.220	2.992	52.000
182	9.100	29.855	18.080	18.152	0.720	11.580	3.966	62.200
183	9.150	30.019	44.000	44.078	0.770	12.480	1.747	63.600
184	9.200	30.183	53.350	53.402	0.993	8.270	1.859	69.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	61.610	61.650	0.985	6.410	1.598	60.400
186	9.300	30.511	52.360	52.430	0.800	11.200	1.526	72.900
187	9.350	30.675	40.190	40.232	0.735	6.730	1.827	66.600
188	9.400	30.840	28.780	28.830	0.645	7.960	2.237	59.800
189	9.450	31.004	27.270	27.321	0.532	8.110	1.947	63.000
190	9.500	31.168	30.030	30.078	0.403	7.700	1.340	51.000
191	9.550	31.332	32.970	32.994	0.501	3.790	1.518	39.000
192	9.600	31.496	36.910	36.935	0.679	3.930	1.838	30.600
193	9.650	31.660	40.590	40.621	0.920	4.920	2.265	40.100
194	9.700	31.824	29.360	29.374	0.596	2.190	2.029	32.900
195	9.750	31.988	49.560	49.564	0.782	0.680	1.578	24.100
196	9.800	32.152	41.900	41.917	1.011	2.710	2.412	28.800
197	9.850	32.316	59.510	59.524	0.646	2.250	1.085	33.500
198	9.900	32.480	70.810	70.819	0.903	1.380	1.275	32.200
199	9.950	32.644	158.100	158.098	1.344	-0.370	0.850	30.800
200	10.000	32.808	197.320	197.354	2.421	5.440	1.227	31.300
201	10.050	32.972	83.640	83.702	2.280	10.010	2.724	38.700
202	10.100	33.136	21.450	21.524	2.039	11.900	9.473	50.800
203	10.150	33.300	21.830	21.864	0.893	5.450	4.084	52.700
204	10.200	33.464	17.850	17.911	0.721	9.790	4.025	46.600
205	10.250	33.628	19.020	19.085	0.601	10.420	3.149	33.200
206	10.300	33.792	38.200	38.292	1.050	14.700	2.742	29.300
207	10.350	33.956	52.990	53.038	1.430	7.700	2.696	25.800
208	10.400	34.120	52.310	52.356	1.811	7.290	3.459	14.100
209	10.450	34.284	67.090	67.179	1.756	14.300	2.614	18.200
210	10.500	34.448	92.040	92.102	1.924	10.010	2.089	14.600
211	10.550	34.612	26.280	26.334	2.250	8.700	8.544	18.500
212	10.600	34.776	46.370	46.439	1.370	10.990	2.950	17.700
213	10.650	34.941	49.600	49.628	0.880	4.490	1.773	19.800
214	10.700	35.105	29.640	29.692	0.637	8.330	2.145	13.200
215	10.750	35.269	27.180	27.325	0.984	23.260	3.601	22.800
216	10.800	35.433	27.750	27.909	0.881	25.410	3.157	27.700
217	10.850	35.597	18.040	18.142	0.788	16.390	4.343	30.100
218	10.900	35.761	50.570	50.779	1.260	33.500	2.481	33.000
219	10.950	35.925	40.100	40.275	1.462	28.010	3.630	32.600
220	11.000	36.089	31.730	31.867	1.424	21.950	4.469	0.000
221	11.050	36.253	17.700	17.788	0.991	14.020	5.571	0.000
222	11.100	36.417	15.900	16.013	0.614	18.110	3.834	0.000
223	11.150	36.581	17.750	17.883	0.540	21.240	3.020	0.000
224	11.200	36.745	19.480	19.605	0.456	20.100	2.326	0.000
225	11.250	36.909	26.730	26.812	0.772	13.090	2.879	0.000
226	11.300	37.073	18.550	18.601	0.853	8.160	4.586	0.000
227	11.350	37.237	26.380	26.441	1.173	9.700	4.436	0.000
228	11.400	37.401	78.500	78.541	1.598	6.560	2.035	0.000
229	11.450	37.565	55.660	55.695	1.737	5.650	3.119	0.000
230	11.500	37.729	47.160	47.229	1.473	11.120	3.119	0.000
231	11.550	37.893	40.920	40.988	0.701	10.890	1.710	0.000
232	11.600	38.057	43.700	43.776	0.361	12.240	0.825	0.000
233	11.650	38.221	45.890	46.011	0.439	19.390	0.954	0.000
234	11.700	38.385	43.860	43.965	0.000	16.780	0.000	0.000
235	11.750	38.549	55.520	55.605	0.000	13.660	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221659
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-25
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-14-2013
CPT Time:	11:04
CPT File:	13-53075_GP25.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722206.969
Northing / Lat:	4294372.664
Elevation:	146.337
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	0.010	0.011	0.000	0.110	0.000	74.400
2	0.100	0.328	0.000	0.010	0.000	0.150	0.000	88.700
3	0.150	0.492	0.000	0.010	0.000	-0.160	0.000	104.200
4	0.200	0.656	0.000	0.010	0.000	-0.050	0.000	97.500
5	0.250	0.820	0.000	0.010	0.000	-0.060	0.000	104.000
6	0.300	0.984	0.000	0.010	0.000	0.020	0.000	92.500
7	0.350	1.148	0.000	0.010	0.000	-0.090	0.000	93.200
8	0.400	1.312	0.000	0.010	0.000	-0.030	0.000	107.000
9	0.450	1.476	0.000	0.010	0.000	0.150	0.000	118.100
10	0.500	1.640	0.000	0.010	0.000	0.090	0.000	113.800
11	0.550	1.804	0.000	0.010	0.000	0.020	0.000	98.500
12	0.600	1.968	0.000	0.010	0.000	-0.040	0.000	106.800
13	0.650	2.133	0.000	0.010	0.000	0.200	0.000	106.500
14	0.700	2.297	0.000	0.010	0.000	0.010	0.000	111.600
15	0.750	2.461	0.000	0.010	0.000	0.020	0.000	126.300
16	0.800	2.625	0.000	0.010	0.000	0.010	0.000	120.800
17	0.850	2.789	0.000	0.010	0.000	0.020	0.000	101.100
18	0.900	2.953	0.000	0.010	0.000	0.020	0.000	118.600
19	0.950	3.117	0.000	0.010	0.000	-0.040	0.000	110.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	0.000	0.010	0.000	-0.050	0.000	141.500
21	1.050	3.445	0.000	0.010	0.000	-0.060	0.000	137.500
22	1.100	3.609	0.000	0.010	0.000	-0.010	0.000	129.700
23	1.150	3.773	0.000	0.010	0.000	-0.040	0.000	141.400
24	1.200	3.937	0.000	0.010	0.000	0.230	0.000	116.200
25	1.250	4.101	0.000	0.010	0.000	-0.030	0.000	150.600
26	1.300	4.265	0.000	0.010	0.000	0.050	0.000	121.400
27	1.350	4.429	0.000	0.010	0.000	-0.060	0.000	140.500
28	1.400	4.593	0.000	0.010	0.000	-0.020	0.000	153.600
29	1.450	4.757	0.000	0.010	0.000	-0.040	0.000	195.700
30	1.500	4.921	0.000	0.010	0.000	0.020	0.000	207.600
31	1.550	5.085	0.000	0.010	0.000	0.050	0.000	205.000
32	1.600	5.249	0.000	0.010	0.000	0.030	0.000	37.200
33	1.650	5.413	0.000	0.010	0.000	0.000	0.000	5.800
34	1.700	5.577	0.000	0.010	0.000	0.110	0.000	11.100
35	1.750	5.741	0.000	0.010	0.000	0.100	0.000	10.200
36	1.800	5.905	0.000	0.010	0.000	0.020	0.000	3.000
37	1.850	6.069	0.000	0.010	0.000	0.020	0.000	2.600
38	1.900	6.234	0.000	0.010	0.000	-0.030	0.000	10.300
39	1.950	6.398	0.000	0.010	0.000	-0.010	0.000	9.400
40	2.000	6.562	0.000	0.010	0.000	0.090	0.000	20.800
41	2.050	6.726	0.000	0.010	0.000	0.210	0.000	5.400
42	2.100	6.890	0.000	0.010	0.000	0.110	0.000	6.700
43	2.150	7.054	0.000	0.010	0.000	0.110	0.000	22.700
44	2.200	7.218	0.000	0.010	0.000	0.060	0.000	64.300
45	2.250	7.382	0.000	0.010	0.000	0.000	0.000	354.000
46	2.300	7.546	0.000	0.010	0.000	0.080	0.000	496.100
47	2.350	7.710	0.000	0.010	0.000	0.080	0.000	701.300
48	2.400	7.874	0.000	0.010	0.000	0.220	0.000	843.600
49	2.450	8.038	0.000	0.010	0.000	0.050	0.000	1019.600
50	2.500	8.202	0.000	0.010	0.000	-0.020	0.000	1138.200
51	2.550	8.366	0.000	0.010	0.000	-0.100	0.000	1248.000
52	2.600	8.530	0.000	0.010	0.000	0.010	0.000	146.300
53	2.650	8.694	0.000	0.010	0.000	-0.060	0.000	61.200
54	2.700	8.858	0.000	0.010	0.000	-0.020	0.000	68.900
55	2.750	9.022	0.000	0.010	0.000	-0.020	0.000	54.000
56	2.800	9.186	0.000	0.010	0.000	0.070	0.000	54.200
57	2.850	9.350	0.000	0.010	0.000	0.060	0.000	392.700
58	2.900	9.514	0.000	0.010	0.000	-0.010	0.000	519.500
59	2.950	9.678	0.000	0.010	0.000	-0.050	0.000	345.100
60	3.000	9.842	0.000	0.010	0.000	-0.040	0.000	254.300
61	3.050	10.006	0.000	0.010	0.000	0.010	0.000	143.600
62	3.100	10.170	0.000	0.010	0.000	0.040	0.000	8.800
63	3.150	10.335	0.000	0.010	0.000	0.000	0.000	8.500
64	3.200	10.499	0.000	0.010	0.000	0.050	0.000	16.900
65	3.250	10.663	0.000	0.010	0.000	0.030	0.000	4.800
66	3.300	10.827	0.000	0.010	0.000	0.030	0.000	10.200
67	3.350	10.991	0.000	0.010	0.000	0.020	0.000	11.800
68	3.400	11.155	0.000	0.010	0.000	-0.020	0.000	5.500
69	3.450	11.319	0.000	0.010	0.000	-0.030	0.000	12.100
70	3.500	11.483	0.000	0.010	0.000	-0.010	0.000	25.300
71	3.550	11.647	0.000	0.010	0.000	0.040	0.000	47.100
72	3.600	11.811	0.000	0.010	0.000	-0.090	0.000	40.000
73	3.650	11.975	0.000	0.010	0.000	-0.030	0.000	50.000
74	3.700	12.139	0.000	0.010	0.000	0.080	0.000	56.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	0.000	0.010	0.000	0.090	0.000	72.800
76	3.800	12.467	0.000	0.010	0.000	0.060	0.000	64.900
77	3.850	12.631	0.000	0.010	0.000	0.100	0.000	73.100
78	3.900	12.795	0.000	0.010	0.000	-0.020	0.000	64.900
79	3.950	12.959	0.000	0.010	0.000	-0.000	0.000	69.500
80	4.000	13.123	0.000	0.010	0.000	0.040	0.000	63.600
81	4.050	13.287	0.000	0.010	0.000	0.050	0.000	70.200
82	4.100	13.451	0.000	0.010	0.000	0.120	0.000	66.300
83	4.150	13.615	0.000	0.010	0.000	0.090	0.000	51.700
84	4.200	13.779	0.000	0.010	0.000	0.020	0.000	60.000
85	4.250	13.943	0.000	0.010	0.000	0.070	0.000	55.200
86	4.300	14.107	0.000	0.010	0.000	0.020	0.000	89.800
87	4.350	14.271	0.000	0.010	0.000	0.040	0.000	58.700
88	4.400	14.436	0.000	0.010	0.000	0.130	0.000	69.700
89	4.450	14.600	0.000	0.010	0.000	0.060	0.000	72.300
90	4.500	14.764	0.000	0.010	0.000	0.030	0.000	64.100
91	4.550	14.928	0.000	0.010	0.000	0.020	0.000	63.300
92	4.600	15.092	0.000	0.010	0.000	0.090	0.000	65.000
93	4.650	15.256	0.000	0.010	0.000	0.090	0.000	57.400
94	4.700	15.420	0.000	0.010	0.000	0.060	0.000	59.500
95	4.750	15.584	0.000	0.010	0.000	0.130	0.000	51.500
96	4.800	15.748	0.000	0.010	0.000	0.060	0.000	43.700
97	4.850	15.912	0.000	0.010	0.000	0.050	0.000	61.500
98	4.900	16.076	0.000	0.010	0.000	0.080	0.000	17.100
99	4.950	16.240	0.000	0.010	0.000	0.080	0.000	6.300
100	5.000	16.404	0.000	0.010	0.000	0.030	0.000	21.300
101	5.050	16.568	0.000	0.010	0.000	0.070	0.000	55.600
102	5.100	16.732	0.000	0.010	0.000	0.170	0.000	47.200
103	5.150	16.896	0.000	0.010	0.000	0.020	0.000	8.100
104	5.200	17.060	0.000	0.010	0.000	-0.010	0.000	10.100
105	5.250	17.224	0.000	0.010	0.000	0.040	0.000	11.800
106	5.300	17.388	0.000	0.010	0.000	0.010	0.000	53.700
107	5.350	17.552	0.000	0.010	0.000	0.040	0.000	3.100
108	5.400	17.716	0.000	0.010	0.000	0.060	0.000	8.500
109	5.450	17.880	0.000	0.010	0.000	0.000	0.000	9.200
110	5.500	18.044	0.000	0.010	0.000	0.020	0.000	6.100
111	5.550	18.208	0.000	0.010	0.000	0.010	0.000	8.800
112	5.600	18.372	0.000	0.010	0.000	0.040	0.000	11.400
113	5.650	18.537	0.000	0.010	0.000	0.010	0.000	9.500
114	5.700	18.701	0.000	0.010	0.000	0.050	0.000	12.200
115	5.750	18.865	0.000	0.010	0.000	-0.000	0.000	10.600
116	5.800	19.029	0.000	0.010	0.000	-0.090	0.000	4.600
117	5.850	19.193	0.000	0.010	0.000	0.050	0.000	20.200
118	5.900	19.357	0.000	0.010	0.000	0.040	0.000	39.500
119	5.950	19.521	0.000	0.010	0.000	0.090	0.000	40.100
120	6.000	19.685	0.000	0.010	0.000	0.070	0.000	35.500
121	6.050	19.849	0.000	0.010	0.000	0.050	0.000	1.400
122	6.100	20.013	0.000	0.010	0.000	0.130	0.000	18.900
123	6.150	20.177	0.000	0.010	0.000	-0.380	0.000	43.100
124	6.200	20.341	0.000	0.010	0.000	-0.030	0.000	56.100
125	6.250	20.505	0.000	0.010	0.000	0.010	0.000	50.900
126	6.300	20.669	0.000	0.010	0.000	0.040	0.000	53.100
127	6.350	20.833	0.000	0.010	0.000	-0.030	0.000	55.900
128	6.400	20.997	0.000	0.010	0.000	0.020	0.000	66.200
129	6.450	21.161	0.000	0.010	0.000	0.020	0.000	56.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	0.000	0.010	0.000	0.050	0.000	61.900
131	6.550	21.489	0.010	0.010	0.000	0.020	0.000	68.300
132	6.600	21.653	0.000	0.010	0.000	0.020	0.000	33.300
133	6.650	21.817	0.000	0.010	0.000	0.070	0.000	10.000
134	6.700	21.981	0.000	0.010	0.000	-0.010	0.000	3.200
135	6.750	22.145	0.000	0.010	0.000	0.020	0.000	3.300
136	6.800	22.309	0.000	0.010	0.000	0.070	0.000	2.200
137	6.850	22.473	0.000	0.010	0.000	0.060	0.000	4.400
138	6.900	22.638	0.000	0.010	0.000	0.020	0.000	2.300
139	6.950	22.802	0.000	0.010	0.000	-0.000	0.000	3.900
140	7.000	22.966	0.000	0.010	0.000	0.040	0.000	3.400
141	7.050	23.130	0.000	0.010	0.000	0.070	0.000	2.900
142	7.100	23.294	0.000	0.010	0.000	0.040	0.000	3.400
143	7.150	23.458	0.000	0.010	0.000	0.060	0.000	1.800
144	7.200	23.622	0.000	0.010	0.000	-0.040	0.000	2.300
145	7.250	23.786	0.000	0.010	0.000	0.050	0.000	2.300
146	7.300	23.950	0.000	0.010	0.000	0.050	0.000	8.300
147	7.350	24.114	0.000	0.010	0.000	0.230	0.000	8.300
148	7.400	24.278	0.000	0.010	0.000	0.030	0.000	4.200
149	7.450	24.442	0.000	0.010	0.000	0.090	0.000	1.800
150	7.500	24.606	0.000	0.010	0.000	0.020	0.000	5.400
151	7.550	24.770	0.000	0.010	0.000	0.050	0.000	2.400
152	7.600	24.934	0.000	0.010	0.000	-0.010	0.000	2.900
153	7.650	25.098	0.000	0.010	0.000	0.040	0.000	4.300
154	7.700	25.262	0.000	0.010	0.000	0.070	0.000	3.800
155	7.750	25.426	0.000	0.010	0.000	0.020	0.000	3.300
156	7.800	25.590	0.000	0.010	0.000	-0.010	0.000	2.700
157	7.850	25.754	0.000	0.010	0.000	-0.090	0.000	2.200
158	7.900	25.918	0.000	0.010	0.000	0.030	0.000	4.500
159	7.950	26.082	0.000	0.010	0.000	-0.070	0.000	3.400
160	8.000	26.246	0.000	0.010	0.000	0.050	0.000	5.700
161	8.050	26.410	0.000	0.010	0.000	0.050	0.000	9.100
162	8.100	26.574	0.000	0.010	0.000	0.050	0.000	3.400
163	8.150	26.739	0.000	0.010	0.000	0.000	0.000	5.800
164	8.200	26.903	0.000	0.010	0.000	0.010	0.000	5.800
165	8.250	27.067	0.000	0.010	0.000	0.060	0.000	7.000
166	8.300	27.231	0.000	0.010	0.000	-0.020	0.000	4.100
167	8.350	27.395	0.000	0.010	0.000	0.020	0.000	4.100
168	8.400	27.559	0.000	0.010	0.000	0.050	0.000	4.100
169	8.450	27.723	0.000	0.010	0.000	-0.020	0.000	1.700
170	8.500	27.887	0.000	0.010	0.000	-0.020	0.000	1.200
171	8.550	28.051	0.000	0.010	0.000	-0.030	0.000	3.500
172	8.600	28.215	0.000	0.010	0.000	0.010	0.000	0.000
173	8.650	28.379	0.000	0.010	0.000	-0.010	0.000	0.000
174	8.700	28.543	0.000	0.010	0.000	0.050	0.000	0.000
175	8.750	28.707	0.000	0.010	0.000	0.040	0.000	0.000
176	8.800	28.871	0.000	0.010	0.000	-0.020	0.000	0.000
177	8.850	29.035	0.000	0.010	0.000	0.040	0.000	0.000
178	8.900	29.199	0.000	0.010	0.000	-0.020	0.000	0.000
179	8.950	29.363	0.000	0.010	0.000	0.080	0.000	0.000
180	9.000	29.527	0.000	0.010	0.000	0.020	0.000	0.000
181	9.050	29.691	0.000	0.010	0.000	-0.030	0.000	0.000
182	9.100	29.855	0.000	0.010	0.000	0.040	0.000	0.000
183	9.150	30.019	0.000	0.010	0.000	0.070	0.000	0.000
184	9.200	30.183	0.000	0.010	0.000	0.010	0.000	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	0.000	0.010	0.000	0.030	0.000	0.000
186	9.300	30.511	0.000	0.010	0.000	0.180	0.000	0.000
187	9.350	30.675	0.000	0.010	0.000	0.380	0.000	0.000
188	9.400	30.840	0.000	0.010	0.000	0.580	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221674
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	PVC-25R
Cone ID:	406:T1500F15U500
Operator:	DC/YB
CPT Date:	Jan-29-2014
CPT Time:	11:01
CPT File:	13-53075_PVC25R.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722184.507
Northing / Lat:	4294408.619
Elevation:	143.980
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	0.000	0.010	0.008	0.320	76.640	33.000
2	0.100	0.328	0.040	0.042	0.007	0.250	16.843	48.700
3	0.150	0.492	0.080	0.083	0.007	0.540	8.396	64.400
4	0.200	0.656	0.070	0.072	0.008	0.340	11.092	65.700
5	0.250	0.820	0.040	0.043	0.007	0.430	16.399	69.600
6	0.300	0.984	0.100	0.102	0.010	0.260	9.840	69.300
7	0.350	1.148	0.070	0.073	0.006	0.410	8.269	77.100
8	0.400	1.312	0.090	0.091	0.009	0.100	9.931	80.700
9	0.450	1.476	0.080	0.082	0.007	0.290	8.556	80.500
10	0.500	1.640	0.070	0.071	0.006	0.240	8.392	84.800
11	0.550	1.804	0.070	0.072	0.007	0.280	9.756	92.300
12	0.600	1.968	0.020	0.022	0.009	0.280	41.383	92.700
13	0.650	2.133	0.090	0.092	0.009	0.250	9.830	90.800
14	0.700	2.297	0.020	0.020	0.009	0.010	44.860	99.800
15	0.750	2.461	0.030	0.027	0.004	-0.450	14.711	103.700
16	0.800	2.625	0.060	0.062	0.005	0.330	8.057	111.800
17	0.850	2.789	0.080	0.083	0.004	0.500	4.812	98.000
18	0.900	2.953	0.020	0.023	0.005	0.460	21.861	101.000
19	0.950	3.117	0.080	0.082	0.002	0.320	2.439	113.700
20	1.000	3.281	0.050	0.053	0.003	0.460	5.674	110.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
21	1.050	3.445	0.010	0.013	0.002	0.500	15.242	111.100
22	1.100	3.609	0.080	0.083	0.002	0.490	2.408	123.100
23	1.150	3.773	0.010	0.014	0.003	0.620	21.629	107.900
24	1.200	3.937	0.050	0.054	0.004	0.580	7.460	107.300
25	1.250	4.101	0.060	0.063	0.002	0.450	3.184	116.900
26	1.300	4.265	0.020	0.025	0.003	0.770	12.093	113.200
27	1.350	4.429	0.090	0.093	0.005	0.550	5.351	116.900
28	1.400	4.593	0.030	0.034	0.005	0.610	14.789	130.700
29	1.450	4.757	0.040	0.044	0.002	0.610	4.565	130.200
30	1.500	4.921	0.070	0.072	0.001	0.300	1.391	121.200
31	1.550	5.085	0.070	0.074	0.005	0.620	6.769	117.800
32	1.600	5.249	0.020	0.024	0.007	0.680	28.872	114.900
33	1.650	5.413	0.010	0.013	0.002	0.560	14.819	121.100
34	1.700	5.577	0.070	0.073	0.008	0.420	11.016	144.500
35	1.750	5.741	0.080	0.083	0.008	0.480	9.639	176.600
36	1.800	5.905	0.000	0.010	0.004	0.320	38.320	192.700
37	1.850	6.069	0.020	0.021	0.003	0.190	14.160	195.700
38	1.900	6.234	0.080	0.083	0.003	0.460	3.620	185.400
39	1.950	6.398	0.070	0.074	0.003	0.590	4.071	153.200
40	2.000	6.562	0.090	0.094	0.003	0.680	3.183	124.500
41	2.050	6.726	0.020	0.025	0.002	0.760	8.083	116.700
42	2.100	6.890	0.090	0.093	0.006	0.530	6.430	92.800
43	2.150	7.054	0.090	0.094	0.004	0.620	4.261	79.200
44	2.200	7.218	0.020	0.023	0.003	0.500	12.975	81.900
45	2.250	7.382	0.070	0.073	0.003	0.500	4.103	83.300
46	2.300	7.546	0.100	0.102	0.003	0.380	2.930	88.100
47	2.350	7.710	0.060	0.063	0.002	0.510	3.165	92.600
48	2.400	7.874	0.070	0.074	0.005	0.570	6.797	107.800
49	2.450	8.038	0.060	0.064	0.004	0.660	6.238	187.600
50	2.500	8.202	0.030	0.033	0.004	0.530	12.009	228.400
51	2.550	8.366	0.040	0.043	0.004	0.450	9.344	342.900
52	2.600	8.530	0.020	0.023	0.006	0.540	25.673	494.400
53	2.650	8.694	0.080	0.083	0.004	0.480	4.819	699.700
54	2.700	8.858	0.000	0.010	0.004	0.460	38.320	842.500
55	2.750	9.022	0.090	0.093	0.005	0.510	5.366	967.800
56	2.800	9.186	0.010	0.014	0.006	0.650	42.681	1126.700
57	2.850	9.350	0.040	0.043	0.006	0.440	14.036	1197.100
58	2.900	9.514	0.070	0.073	0.005	0.560	6.803	1242.700
59	2.950	9.678	0.030	0.034	0.008	0.590	23.751	1200.700
60	3.000	9.842	0.020	0.024	0.007	0.570	29.713	1199.100
61	3.050	10.006	0.080	0.083	0.006	0.550	7.191	1070.900
62	3.100	10.170	0.080	0.083	0.004	0.530	4.801	918.100
63	3.150	10.335	0.010	0.012	0.005	0.380	40.413	700.100
64	3.200	10.499	0.100	0.103	0.007	0.520	6.780	527.800
65	3.250	10.663	0.020	0.022	0.008	0.390	35.659	390.900
66	3.300	10.827	0.280	0.282	0.002	0.350	0.709	274.100
67	3.350	10.991	0.010	0.011	0.003	0.210	26.523	226.500
68	3.400	11.155	0.010	0.013	0.003	0.530	22.542	187.600
69	3.450	11.319	0.010	0.013	0.008	0.460	62.152	178.400
70	3.500	11.483	0.050	0.053	0.005	0.460	9.457	143.800
71	3.550	11.647	0.040	0.042	0.003	0.340	7.122	128.300
72	3.600	11.811	0.090	0.092	0.007	0.340	7.599	92.000
73	3.650	11.975	0.080	0.084	0.009	0.570	10.771	76.800
74	3.700	12.139	0.070	0.072	0.002	0.390	2.761	54.900
75	3.750	12.303	0.070	0.071	0.006	0.210	8.414	54.300
76	3.800	12.467	0.050	0.054	0.005	0.580	9.325	48.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
77	3.850	12.631	0.010	0.014	0.007	0.620	50.467	46.500
78	3.900	12.795	0.100	0.104	0.006	0.570	5.794	56.800
79	3.950	12.959	0.090	0.093	0.006	0.500	6.443	51.800
80	4.000	13.123	0.030	0.033	0.006	0.490	18.149	59.600
81	4.050	13.287	0.010	0.014	0.006	0.580	44.050	62.800
82	4.100	13.451	0.020	0.023	0.001	0.540	4.279	58.500
83	4.150	13.615	0.030	0.032	0.008	0.320	25.002	65.600
84	4.200	13.779	0.070	0.073	0.005	0.490	6.844	73.100
85	4.250	13.943	0.070	0.072	0.004	0.360	5.537	70.300
86	4.300	14.107	0.040	0.044	0.004	0.650	9.079	73.600
87	4.350	14.271	0.090	0.093	0.003	0.530	3.215	64.700
88	4.400	14.436	0.030	0.034	0.003	0.680	8.760	54.600
89	4.450	14.600	0.030	0.034	0.003	0.630	8.841	57.800
90	4.500	14.764	0.010	0.014	0.005	0.650	35.568	52.600
91	4.550	14.928	0.050	0.053	0.003	0.530	5.628	58.600
92	4.600	15.092	0.030	0.034	0.003	0.580	8.923	60.700
93	4.650	15.256	0.060	0.064	0.005	0.720	7.753	63.400
94	4.700	15.420	0.030	0.033	0.002	0.560	5.971	67.500
95	4.750	15.584	0.030	0.033	0.006	0.520	18.047	66.700
96	4.800	15.748	0.010	0.014	0.005	0.690	34.947	70.000
97	4.850	15.912	0.010	0.013	0.002	0.410	15.924	68.400
98	4.900	16.076	0.090	0.094	0.003	0.570	3.207	67.100
99	4.950	16.240	0.070	0.074	0.004	0.670	5.392	71.800
100	5.000	16.404	0.060	0.064	0.008	0.670	12.464	58.200
101	5.050	16.568	0.070	0.074	0.004	0.570	5.438	55.600
102	5.100	16.732	0.070	0.074	0.005	0.590	6.786	50.900
103	5.150	16.896	0.010	0.013	0.005	0.560	37.048	50.500
104	5.200	17.060	0.000	0.010	0.004	0.670	38.320	44.400
105	5.250	17.224	0.100	0.105	0.006	0.750	5.732	47.300
106	5.300	17.388	0.080	0.084	0.005	0.630	5.957	39.300
107	5.350	17.552	0.050	0.055	0.005	0.850	9.041	50.600
108	5.400	17.716	0.000	0.010	0.008	0.690	76.640	58.900
109	5.450	17.880	0.090	0.094	0.009	0.620	9.588	46.100
110	5.500	18.044	0.010	0.013	0.006	0.510	45.510	48.500
111	5.550	18.208	0.010	0.013	0.005	0.520	37.747	39.600
112	5.600	18.372	0.080	0.083	0.003	0.560	3.593	38.400
113	5.650	18.537	0.020	0.023	0.006	0.460	26.233	38.500
114	5.700	18.701	0.030	0.034	0.006	0.640	17.649	41.900
115	5.750	18.865	0.060	0.063	0.003	0.530	4.739	26.600
116	5.800	19.029	0.060	0.063	0.002	0.540	3.156	27.900
117	5.850	19.193	0.030	0.033	0.003	0.530	9.007	30.500
118	5.900	19.357	0.040	0.043	0.006	0.500	13.914	32.000
119	5.950	19.521	0.060	0.064	0.004	0.620	6.263	25.100
120	6.000	19.685	0.050	0.054	0.003	0.570	5.601	33.700
121	6.050	19.849	0.090	0.093	0.003	0.510	3.219	35.100
122	6.100	20.013	0.000	0.010	0.004	0.440	38.320	35.200
123	6.150	20.177	0.080	0.084	0.003	0.590	3.585	36.300
124	6.200	20.341	0.060	0.063	0.004	0.460	6.362	38.000
125	6.250	20.505	0.000	0.010	0.005	0.600	47.900	41.300
126	6.300	20.669	0.060	0.063	0.005	0.520	7.906	39.700
127	6.350	20.833	0.090	0.094	0.004	0.650	4.253	40.600
128	6.400	20.997	0.040	0.043	0.003	0.530	6.927	47.800
129	6.450	21.161	0.080	0.084	0.003	0.590	3.585	42.700
130	6.500	21.325	0.030	0.034	0.006	0.660	17.585	51.200
131	6.550	21.489	0.060	0.063	0.002	0.490	3.172	49.100
132	6.600	21.653	0.040	0.043	0.004	0.550	9.209	54.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
133	6.650	21.817	0.030	0.035	0.002	0.860	5.655	53.000
134	6.700	21.981	0.040	0.042	0.006	0.320	14.287	59.200
135	6.750	22.145	0.060	0.065	0.006	0.870	9.170	66.600
136	6.800	22.309	0.050	0.054	0.004	0.650	7.399	67.300
137	6.850	22.473	0.090	0.093	0.002	0.550	2.141	64.500
138	6.900	22.638	0.000	0.010	0.005	0.560	47.900	69.600
139	6.950	22.802	0.070	0.075	0.006	0.770	8.021	63.400
140	7.000	22.966	0.060	0.063	0.003	0.550	4.729	66.200
141	7.050	23.130	0.020	0.024	0.003	0.600	12.634	61.100
142	7.100	23.294	0.040	0.044	0.003	0.650	6.809	71.900
143	7.150	23.458	0.100	0.104	0.005	0.700	4.791	61.300
144	7.200	23.622	0.070	0.074	0.003	0.650	4.051	63.700
145	7.250	23.786	0.020	0.023	0.006	0.500	25.950	64.700
146	7.300	23.950	0.010	0.014	0.006	0.570	44.253	63.000
147	7.350	24.114	0.060	0.063	0.006	0.550	9.459	61.700
148	7.400	24.278	0.000	0.010	0.005	0.540	47.900	57.800
149	7.450	24.442	0.000	0.010	0.003	0.800	28.740	51.700
150	7.500	24.606	0.080	0.083	0.003	0.540	3.598	45.000
151	7.550	24.770	0.030	0.034	0.003	0.720	8.697	50.500
152	7.600	24.934	0.030	0.033	0.005	0.540	14.983	37.400
153	7.650	25.098	0.040	0.044	0.002	0.620	4.559	31.900
154	7.700	25.262	0.060	0.064	0.002	0.640	3.125	33.000
155	7.750	25.426	0.030	0.035	0.005	0.750	14.417	34.400
156	7.800	25.590	0.070	0.075	0.007	0.850	9.295	29.400
157	7.850	25.754	0.070	0.075	0.002	0.780	2.671	31.600
158	7.900	25.918	0.010	0.013	0.002	0.530	15.028	38.300
159	7.950	26.082	0.040	0.044	0.004	0.670	9.053	36.600
160	8.000	26.246	0.070	0.074	0.005	0.690	6.729	40.300
161	8.050	26.410	0.040	0.044	0.002	0.620	4.559	42.400
162	8.100	26.574	0.020	0.024	0.004	0.680	16.498	48.600
163	8.150	26.739	0.040	0.044	0.004	0.610	9.131	48.400
164	8.200	26.903	0.100	0.105	0.003	0.730	2.869	61.800
165	8.250	27.067	0.080	0.084	0.003	0.580	3.588	63.100
166	8.300	27.231	0.020	0.024	0.001	0.590	4.222	78.200
167	8.350	27.395	0.100	0.104	0.004	0.690	3.835	71.700
168	8.400	27.559	0.060	0.063	0.004	0.520	6.324	0.000
169	8.450	27.723	0.040	0.043	0.004	0.560	9.196	0.000
170	8.500	27.887	0.050	0.054	0.004	0.580	7.460	0.000
171	8.550	28.051	0.070	0.074	0.003	0.680	4.041	0.000
172	8.600	28.215	0.070	0.075	0.003	0.740	4.020	0.000
173	8.650	28.379	0.060	0.065	0.003	0.800	4.616	0.000
174	8.700	28.543	0.060	0.065	0.003	0.750	4.638	0.000
175	8.750	28.707	0.060	0.064	0.003	0.700	4.661	0.000
176	8.800	28.871	0.090	0.094	0.004	0.590	4.270	0.000
177	8.850	29.035	0.090	0.094	0.003	0.610	3.198	0.000
178	8.900	29.199	0.080	0.084	0.002	0.660	2.378	0.000
179	8.950	29.363	0.000	0.010	0.001	0.590	9.580	0.000
180	9.000	29.527	0.060	0.064	0.005	0.650	7.805	0.000
181	9.050	29.691	0.050	0.054	0.001	0.690	1.841	0.000
182	9.100	29.855	0.060	0.064	0.000	0.630	0.000	0.000
183	9.150	30.019	0.080	0.084	0.000	0.650	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221665
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-36
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-14-2013
CPT Time:	13:17
CPT File:	13-53075_GP36.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722116.792
Northing / Lat:	4294359.289
Elevation:	141.636
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	0.000	0.010	0.000	0.060	0.000	42.300
2	0.100	0.328	0.000	0.010	0.000	0.100	0.000	51.000
3	0.150	0.492	0.000	0.010	0.000	-0.010	0.000	56.200
4	0.200	0.656	0.000	0.010	0.000	0.040	0.000	71.500
5	0.250	0.820	0.000	0.010	0.000	-0.090	0.000	90.700
6	0.300	0.984	0.000	0.010	0.000	-0.170	0.000	97.200
7	0.350	1.148	0.000	0.010	0.000	0.090	0.000	109.800
8	0.400	1.312	0.000	0.010	0.001	0.090	9.580	101.400
9	0.450	1.476	0.000	0.010	0.001	0.010	9.580	120.400
10	0.500	1.640	0.000	0.010	0.000	0.060	0.000	131.400
11	0.550	1.804	0.000	0.010	0.000	0.110	0.000	116.800
12	0.600	1.968	0.000	0.010	0.001	0.020	9.580	109.000
13	0.650	2.133	0.000	0.010	0.000	0.030	0.000	100.800
14	0.700	2.297	0.000	0.010	0.001	-0.010	9.580	107.300
15	0.750	2.461	0.000	0.010	0.000	0.130	0.000	102.700
16	0.800	2.625	0.000	0.010	0.000	0.040	0.000	96.500
17	0.850	2.789	0.000	0.010	0.001	0.070	9.580	99.100
18	0.900	2.953	0.000	0.010	0.001	-0.010	9.580	99.300
19	0.950	3.117	0.000	0.010	0.000	0.100	0.000	103.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	0.000	0.010	0.001	0.080	9.580	98.600
21	1.050	3.445	0.000	0.010	0.000	-0.010	0.000	115.500
22	1.100	3.609	0.000	0.010	0.000	0.180	0.000	116.000
23	1.150	3.773	0.000	0.010	0.000	0.030	0.000	118.300
24	1.200	3.937	0.000	0.010	0.000	0.090	0.000	121.000
25	1.250	4.101	0.000	0.010	0.001	-0.020	9.580	111.900
26	1.300	4.265	0.000	0.010	0.000	0.080	0.000	109.100
27	1.350	4.429	0.000	0.010	0.001	0.180	9.580	111.400
28	1.400	4.593	0.000	0.010	0.001	0.010	9.580	100.600
29	1.450	4.757	0.000	0.010	0.000	0.140	0.000	121.900
30	1.500	4.921	0.000	0.010	0.001	0.180	9.580	102.000
31	1.550	5.085	0.000	0.010	0.000	0.010	0.000	118.000
32	1.600	5.249	0.000	0.010	0.000	0.120	0.000	96.300
33	1.650	5.413	0.000	0.010	0.000	-0.070	0.000	100.400
34	1.700	5.577	0.000	0.010	0.000	-0.030	0.000	97.700
35	1.750	5.741	0.000	0.010	0.000	0.090	0.000	91.700
36	1.800	5.905	0.000	0.010	0.000	0.070	0.000	99.000
37	1.850	6.069	0.000	0.010	0.001	0.090	9.580	102.600
38	1.900	6.234	0.000	0.010	0.000	0.050	0.000	111.800
39	1.950	6.398	0.000	0.010	0.000	0.130	0.000	105.800
40	2.000	6.562	0.000	0.010	0.000	0.120	0.000	115.900
41	2.050	6.726	0.000	0.010	0.001	0.110	9.580	120.500
42	2.100	6.890	0.000	0.010	0.001	0.060	9.580	130.000
43	2.150	7.054	0.000	0.010	0.000	0.050	0.000	139.800
44	2.200	7.218	0.000	0.010	0.000	0.060	0.000	154.300
45	2.250	7.382	0.000	0.010	0.000	0.070	0.000	191.200
46	2.300	7.546	0.000	0.010	0.000	0.080	0.000	191.900
47	2.350	7.710	0.000	0.010	0.000	0.050	0.000	235.400
48	2.400	7.874	0.000	0.010	0.001	0.010	9.580	298.500
49	2.450	8.038	0.000	0.010	0.000	0.050	0.000	304.600
50	2.500	8.202	0.000	0.010	0.000	0.070	0.000	323.200
51	2.550	8.366	0.000	0.010	0.001	0.070	9.580	323.100
52	2.600	8.530	0.000	0.010	0.000	0.060	0.000	324.500
53	2.650	8.694	0.000	0.010	0.001	0.000	9.580	275.600
54	2.700	8.858	0.000	0.010	0.001	-0.010	9.580	236.400
55	2.750	9.022	0.000	0.010	0.001	0.110	9.580	206.400
56	2.800	9.186	0.000	0.010	0.000	0.060	0.000	185.700
57	2.850	9.350	0.000	0.010	0.001	0.050	9.580	156.900
58	2.900	9.514	0.000	0.010	0.000	0.050	0.000	145.600
59	2.950	9.678	0.000	0.010	0.000	0.110	0.000	113.600
60	3.000	9.842	0.000	0.010	0.001	0.000	9.580	108.300
61	3.050	10.006	0.000	0.010	0.000	0.080	0.000	93.700
62	3.100	10.170	0.000	0.010	0.000	0.090	0.000	91.400
63	3.150	10.335	0.000	0.010	0.001	0.010	9.580	78.000
64	3.200	10.499	0.000	0.010	0.000	0.040	0.000	65.900
65	3.250	10.663	0.000	0.010	0.000	0.060	0.000	72.300
66	3.300	10.827	0.000	0.010	0.000	-0.070	0.000	69.300
67	3.350	10.991	0.000	0.010	0.000	0.040	0.000	66.600
68	3.400	11.155	0.000	0.010	0.001	0.040	9.580	59.700
69	3.450	11.319	0.000	0.010	0.000	0.040	0.000	48.600
70	3.500	11.483	0.000	0.010	0.000	0.010	0.000	64.700
71	3.550	11.647	0.000	0.010	0.000	0.080	0.000	57.500
72	3.600	11.811	0.000	0.010	0.001	0.030	9.580	48.800
73	3.650	11.975	0.000	0.010	0.000	-0.000	0.000	56.900
74	3.700	12.139	0.000	0.010	0.000	0.060	0.000	58.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	0.000	0.010	0.001	0.060	9.580	58.100
76	3.800	12.467	0.000	0.010	0.000	-0.030	0.000	65.900
77	3.850	12.631	0.000	0.010	0.001	0.050	9.580	71.400
78	3.900	12.795	0.000	0.010	0.001	0.010	9.580	69.900
79	3.950	12.959	0.000	0.010	0.000	0.030	0.000	79.600
80	4.000	13.123	0.000	0.010	0.001	0.080	9.580	69.900
81	4.050	13.287	0.000	0.010	0.000	0.080	0.000	74.700
82	4.100	13.451	0.000	0.010	0.000	-0.040	0.000	80.200
83	4.150	13.615	0.000	0.010	0.001	0.430	9.580	74.100
84	4.200	13.779	0.000	0.010	0.000	0.640	0.000	64.600
85	4.250	13.943	0.000	0.010	0.001	0.680	9.580	50.800
86	4.300	14.107	0.000	0.010	0.001	0.960	9.580	47.400
87	4.350	14.271	0.000	0.010	0.000	1.190	0.000	40.800
88	4.400	14.436	0.000	0.010	0.000	1.390	0.000	38.600
89	4.450	14.600	0.000	0.010	0.001	1.660	9.580	35.300
90	4.500	14.764	0.000	0.012	0.001	1.860	8.612	22.900
91	4.550	14.928	0.000	0.013	0.000	2.130	0.000	22.800
92	4.600	15.092	0.000	0.014	0.000	2.260	0.000	21.800
93	4.650	15.256	0.000	0.016	0.000	2.530	0.000	19.300
94	4.700	15.420	0.000	0.017	0.001	2.680	5.977	19.200
95	4.750	15.584	0.000	0.018	0.000	2.920	0.000	0.000
96	4.800	15.748	0.000	0.019	0.001	3.060	5.235	0.000
97	4.850	15.912	0.000	0.020	0.000	3.280	0.000	0.000
98	4.900	16.076	0.000	0.022	0.000	3.510	0.000	0.000
99	4.950	16.240	0.000	0.024	0.001	3.780	4.238	0.000
100	5.000	16.404	0.000	0.024	0.001	3.910	4.097	0.000
101	5.050	16.568	0.000	0.026	0.001	4.120	3.888	0.000
102	5.100	16.732	0.000	0.027	0.001	4.310	3.717	0.000
103	5.150	16.896	0.000	0.029	0.001	4.610	3.475	0.000
104	5.200	17.060	0.000	0.030	0.000	4.760	0.000	0.000
105	5.250	17.224	0.000	0.030	0.000	4.870	0.000	0.000
106	5.300	17.388	0.000	0.032	0.000	5.200	0.000	0.000
107	5.350	17.552	0.000	0.035	0.000	5.560	0.000	0.000
108	5.400	17.716	0.000	0.034	0.001	5.370	2.983	0.000
109	5.450	17.880	0.000	0.036	0.000	5.800	0.000	0.000
110	5.500	18.044	0.000	0.037	0.000	6.000	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221667
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-108
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-15-2013
CPT Time:	08:06
CPT File:	13-53075_GP108.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722174.067
Northing / Lat:	4294338.429
Elevation:	143.313
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	2.350	2.362	0.033	1.880	1.397	29.900
2	0.100	0.328	35.290	35.305	0.000	2.440	0.000	32.300
3	0.150	0.492	47.030	47.043	0.049	2.030	0.104	31.900
4	0.200	0.656	54.570	54.581	0.103	1.800	0.189	27.800
5	0.250	0.820	54.080	54.091	0.135	1.770	0.250	41.500
6	0.300	0.984	56.950	56.961	0.160	1.750	0.281	45.300
7	0.350	1.148	56.010	56.022	0.356	1.920	0.635	48.700
8	0.400	1.312	51.660	51.669	0.309	1.470	0.598	63.700
9	0.450	1.476	50.940	50.948	0.676	1.210	1.327	77.900
10	0.500	1.640	29.920	29.931	0.676	1.690	2.259	71.200
11	0.550	1.804	17.660	17.685	0.580	4.020	3.280	85.600
12	0.600	1.968	18.860	18.873	0.394	2.060	2.088	106.800
13	0.650	2.133	22.720	22.713	0.395	-1.170	1.739	90.300
14	0.700	2.297	31.890	31.886	0.440	-0.590	1.380	88.600
15	0.750	2.461	49.290	49.289	0.712	-0.110	1.445	93.600
16	0.800	2.625	70.990	70.991	0.835	0.100	1.176	80.300
17	0.850	2.789	118.390	118.392	1.012	0.300	0.855	84.600
18	0.900	2.953	129.370	129.372	1.136	0.260	0.878	86.500
19	0.950	3.117	130.460	130.460	1.299	-0.020	0.996	86.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	117.270	117.271	1.428	0.090	1.218	82.600
21	1.050	3.445	95.140	95.140	1.417	-0.060	1.489	88.100
22	1.100	3.609	67.490	67.489	1.206	-0.100	1.787	70.200
23	1.150	3.773	47.630	47.629	0.983	-0.190	2.064	61.800
24	1.200	3.937	37.110	37.108	0.798	-0.310	2.150	63.600
25	1.250	4.101	36.170	36.168	0.604	-0.260	1.670	43.000
26	1.300	4.265	57.680	57.687	0.377	1.160	0.654	52.900
27	1.350	4.429	85.160	85.165	0.913	0.850	1.072	36.100
28	1.400	4.593	76.190	76.199	1.471	1.390	1.930	31.700
29	1.450	4.757	67.670	67.678	1.669	1.260	2.466	37.400
30	1.500	4.921	45.600	45.615	1.517	2.440	3.326	33.900
31	1.550	5.085	40.750	40.770	1.009	3.240	2.475	33.500
32	1.600	5.249	28.210	28.222	0.828	1.880	2.934	28.600
33	1.650	5.413	12.700	12.711	0.578	1.700	4.547	44.200
34	1.700	5.577	10.680	10.699	0.509	2.990	4.758	41.800
35	1.750	5.741	16.270	16.288	0.264	2.810	1.621	50.700
36	1.800	5.905	4.480	4.498	0.220	2.890	4.891	64.200
37	1.850	6.069	25.120	25.146	0.281	4.150	1.117	65.600
38	1.900	6.234	27.620	27.641	0.363	3.290	1.313	56.300
39	1.950	6.398	19.490	19.444	0.446	-7.310	2.294	49.800
40	2.000	6.562	20.540	20.487	0.349	-8.550	1.704	53.400
41	2.050	6.726	36.960	36.953	0.395	-1.070	1.069	43.500
42	2.100	6.890	42.230	42.233	0.786	0.520	1.861	41.700
43	2.150	7.054	38.820	38.830	0.928	1.590	2.390	10.500
44	2.200	7.218	35.230	35.241	0.859	1.690	2.438	12.900
45	2.250	7.382	28.030	28.048	0.520	2.880	1.854	22.800
46	2.300	7.546	13.620	13.651	0.429	4.890	3.143	18.600
47	2.350	7.710	7.350	7.390	0.206	6.400	2.788	14.500
48	2.400	7.874	7.340	7.382	0.177	6.690	2.398	18.600
49	2.450	8.038	9.720	9.761	0.274	6.580	2.807	86.200
50	2.500	8.202	9.410	9.421	0.365	1.840	3.874	99.200
51	2.550	8.366	9.570	9.582	0.378	1.930	3.945	76.100
52	2.600	8.530	21.210	21.219	0.537	1.480	2.531	54.600
53	2.650	8.694	43.130	43.135	0.800	0.850	1.855	45.400
54	2.700	8.858	36.620	36.626	0.778	1.010	2.124	39.000
55	2.750	9.022	38.810	38.817	0.615	1.130	1.584	29.900
56	2.800	9.186	43.660	43.667	0.471	1.180	1.079	27.300
57	2.850	9.350	51.290	51.301	0.322	1.710	0.628	29.300
58	2.900	9.514	66.810	66.814	0.256	0.700	0.383	25.100
59	2.950	9.678	89.280	89.289	0.222	1.410	0.249	28.000
60	3.000	9.842	78.220	78.227	0.184	1.150	0.235	19.400
61	3.050	10.006	94.530	94.533	0.344	0.470	0.364	18.100
62	3.100	10.170	78.560	78.564	0.275	0.670	0.350	10.500
63	3.150	10.335	71.160	71.178	0.403	2.840	0.566	9.500
64	3.200	10.499	109.410	109.417	1.047	1.130	0.957	17.500
65	3.250	10.663	84.820	84.840	0.985	3.150	1.161	13.000
66	3.300	10.827	93.230	93.237	0.832	1.150	0.892	20.000
67	3.350	10.991	94.590	94.597	0.812	1.180	0.858	14.300
68	3.400	11.155	83.740	83.758	1.003	2.840	1.198	15.100
69	3.450	11.319	33.300	33.304	1.167	0.680	3.504	14.100
70	3.500	11.483	14.320	14.333	0.622	2.010	4.340	17.600
71	3.550	11.647	10.230	10.244	0.462	2.240	4.510	24.300
72	3.600	11.811	7.150	7.149	0.265	-0.140	3.707	20.500
73	3.650	11.975	6.920	6.922	0.256	0.340	3.698	19.200
74	3.700	12.139	9.240	9.242	0.289	0.260	3.127	10.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	13.950	13.952	0.210	0.370	1.505	21.700
76	3.800	12.467	8.050	8.041	0.152	-1.380	1.890	11.400
77	3.850	12.631	6.060	6.070	0.131	1.540	2.158	21.900
78	3.900	12.795	12.870	12.882	0.194	1.940	1.506	22.100
79	3.950	12.959	17.940	17.956	0.373	2.560	2.077	25.100
80	4.000	13.123	13.430	13.433	1.451	0.490	10.802	27.000
81	4.050	13.287	120.060	120.071	0.609	1.790	0.507	33.400
82	4.100	13.451	97.570	97.576	0.717	0.890	0.735	20.800
83	4.150	13.615	41.420	41.427	1.140	1.160	2.752	34.600
84	4.200	13.779	110.910	110.910	0.861	-0.060	0.776	34.800
85	4.250	13.943	106.540	106.546	0.524	0.900	0.492	40.600
86	4.300	14.107	90.250	90.262	1.027	1.890	1.138	42.600
87	4.350	14.271	51.010	51.022	1.157	1.920	2.268	37.500
88	4.400	14.436	35.930	35.907	1.286	-3.740	3.582	38.900
89	4.450	14.600	42.150	42.135	2.317	-2.460	5.499	40.700
90	4.500	14.764	68.880	68.858	4.204	-3.590	6.105	33.500
91	4.550	14.928	35.220	35.160	2.341	-9.590	6.658	40.600
92	4.600	15.092	66.380	66.304	1.951	-12.150	2.943	47.700
93	4.650	15.256	313.790	313.682	1.899	-17.260	0.605	47.900
94	4.700	15.420	159.800	159.713	1.556	-13.880	0.974	50.000
95	4.750	15.584	68.800	68.805	1.511	0.840	2.196	53.700
96	4.800	15.748	66.320	66.273	1.324	-7.540	1.998	53.600
97	4.850	15.912	91.890	91.839	2.429	-8.240	2.645	62.200
98	4.900	16.076	186.660	186.612	2.064	-7.750	1.106	69.500
99	4.950	16.240	139.690	139.654	3.271	-5.840	2.342	74.900
100	5.000	16.404	75.250	75.221	3.043	-4.570	4.045	79.600
101	5.050	16.568	48.150	48.115	1.731	-5.640	3.598	90.800
102	5.100	16.732	55.010	54.960	1.074	-7.990	1.954	82.200
103	5.150	16.896	36.940	36.868	1.067	-11.610	2.894	79.400
104	5.200	17.060	28.590	28.515	1.331	-11.990	4.668	66.700
105	5.250	17.224	38.840	38.761	1.262	-12.600	3.256	69.100
106	5.300	17.388	58.510	58.423	2.171	-13.970	3.716	63.000
107	5.350	17.552	53.100	52.988	2.062	-17.880	3.891	79.700
108	5.400	17.716	51.590	51.461	1.271	-20.620	2.470	79.300
109	5.450	17.880	38.270	38.138	1.011	-21.120	2.651	81.500
110	5.500	18.044	37.540	37.410	0.874	-20.790	2.336	81.300
111	5.550	18.208	38.850	38.721	0.861	-20.640	2.224	99.700
112	5.600	18.372	35.110	34.981	0.847	-20.620	2.421	90.600
113	5.650	18.537	27.720	27.591	0.846	-20.690	3.066	90.600
114	5.700	18.701	22.580	22.450	1.091	-20.800	4.860	77.100
115	5.750	18.865	24.490	24.361	1.215	-20.710	4.988	89.600
116	5.800	19.029	36.320	36.191	1.334	-20.670	3.686	80.900
117	5.850	19.193	53.110	52.987	1.485	-19.690	2.803	76.700
118	5.900	19.357	27.150	27.091	1.056	-9.510	3.898	63.900
119	5.950	19.521	20.720	20.661	0.858	-9.500	4.153	45.300
120	6.000	19.685	36.090	36.032	1.167	-9.340	3.239	38.600
121	6.050	19.849	47.380	47.366	1.130	-2.320	2.386	31.800
122	6.100	20.013	37.510	37.510	1.286	-0.040	3.428	32.900
123	6.150	20.177	72.980	72.981	1.958	0.240	2.683	37.400
124	6.200	20.341	61.750	61.759	1.992	1.370	3.225	49.200
125	6.250	20.505	34.350	34.364	1.891	2.280	5.503	56.200
126	6.300	20.669	35.840	35.856	0.899	2.540	2.507	65.100
127	6.350	20.833	38.840	38.853	0.862	2.090	2.219	68.200
128	6.400	20.997	36.600	36.608	0.585	1.270	1.598	80.000
129	6.450	21.161	34.920	34.907	0.557	-2.040	1.596	88.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	29.810	29.793	0.562	-2.680	1.886	71.700
131	6.550	21.489	22.810	22.788	0.498	-3.500	2.185	76.400
132	6.600	21.653	26.180	26.155	0.469	-4.000	1.793	60.300
133	6.650	21.817	31.090	31.083	0.510	-1.120	1.641	56.800
134	6.700	21.981	21.800	21.802	0.587	0.320	2.692	41.800
135	6.750	22.145	16.100	16.094	0.748	-0.920	4.648	32.900
136	6.800	22.309	31.890	31.889	0.853	-0.180	2.675	26.700
137	6.850	22.473	20.260	20.270	0.970	1.540	4.785	23.700
138	6.900	22.638	23.710	23.726	0.951	2.590	4.008	28.000
139	6.950	22.802	30.340	30.344	0.710	0.580	2.340	32.500
140	7.000	22.966	33.780	33.788	0.772	1.290	2.285	35.300
141	7.050	23.130	27.400	27.408	0.626	1.240	2.284	41.000
142	7.100	23.294	37.860	37.866	0.450	1.010	1.188	40.800
143	7.150	23.458	54.620	54.623	0.313	0.440	0.573	46.900
144	7.200	23.622	48.260	48.264	0.395	0.700	0.818	35.800
145	7.250	23.786	36.820	36.829	0.602	1.430	1.635	28.400
146	7.300	23.950	34.950	34.960	1.188	1.620	3.398	33.300
147	7.350	24.114	36.030	36.030	1.338	0.030	3.714	21.100
148	7.400	24.278	63.700	63.687	1.144	-2.020	1.796	30.000
149	7.450	24.442	109.110	109.105	1.222	-0.850	1.120	29.000
150	7.500	24.606	113.720	113.740	1.411	3.200	1.241	35.700
151	7.550	24.770	37.110	37.135	1.148	4.040	3.091	39.200
152	7.600	24.934	20.010	20.036	1.054	4.130	5.261	39.100
153	7.650	25.098	16.750	16.779	0.566	4.640	3.373	58.400
154	7.700	25.262	12.380	12.412	0.337	5.050	2.715	50.300
155	7.750	25.426	11.070	11.101	0.377	5.010	3.396	60.600
156	7.800	25.590	23.000	23.029	0.318	4.670	1.381	50.600
157	7.850	25.754	15.910	15.936	0.319	4.170	2.002	55.600
158	7.900	25.918	11.860	11.884	0.311	3.880	2.617	41.600
159	7.950	26.082	13.400	13.424	0.403	3.790	3.002	32.000
160	8.000	26.246	23.220	23.239	0.644	3.060	2.771	26.800
161	8.050	26.410	45.080	45.090	0.930	1.550	2.063	26.300
162	8.100	26.574	28.760	28.779	1.099	3.100	3.819	29.200
163	8.150	26.739	35.260	35.281	1.136	3.330	3.220	27.600
164	8.200	26.903	35.180	35.196	0.930	2.590	2.642	27.100
165	8.250	27.067	33.420	33.434	0.803	2.240	2.402	24.900
166	8.300	27.231	46.680	46.704	0.606	3.790	1.298	16.100
167	8.350	27.395	56.430	56.437	0.895	1.090	1.586	10.800
168	8.400	27.559	41.780	41.796	0.653	2.630	1.562	9.000
169	8.450	27.723	16.930	16.942	0.851	1.920	5.023	14.000
170	8.500	27.887	16.260	16.269	0.671	1.500	4.124	9.200
171	8.550	28.051	25.200	25.210	0.844	1.670	3.348	15.200
172	8.600	28.215	33.110	33.122	0.978	1.930	2.953	6.400
173	8.650	28.379	40.450	40.457	1.163	1.150	2.875	8.200
174	8.700	28.543	27.240	27.247	1.475	1.070	5.414	10.700
175	8.750	28.707	34.740	34.749	0.925	1.380	2.662	6.600
176	8.800	28.871	34.560	34.567	1.094	1.180	3.165	9.200
177	8.850	29.035	57.900	57.907	1.266	1.050	2.186	13.200
178	8.900	29.199	60.120	60.132	1.666	1.860	2.771	20.500
179	8.950	29.363	35.030	35.039	1.635	1.460	4.666	4.500
180	9.000	29.527	27.950	27.962	1.575	1.850	5.633	13.400
181	9.050	29.691	24.920	24.930	1.313	1.590	5.267	15.300
182	9.100	29.855	31.130	31.136	1.343	0.990	4.313	18.600
183	9.150	30.019	47.280	47.279	1.096	-0.200	2.318	24.900
184	9.200	30.183	36.820	36.823	1.018	0.540	2.765	20.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	24.910	24.910	0.930	0.070	3.733	24.300
186	9.300	30.511	64.080	64.094	1.273	2.300	1.986	30.700
187	9.350	30.675	44.410	44.423	0.915	2.060	2.060	39.200
188	9.400	30.840	24.510	24.527	0.868	2.700	3.539	46.900
189	9.450	31.004	31.110	31.123	0.397	2.100	1.276	46.000
190	9.500	31.168	21.810	21.820	0.272	1.530	1.247	42.600
191	9.550	31.332	23.380	23.387	0.371	1.140	1.586	53.900
192	9.600	31.496	21.010	21.015	0.456	0.780	2.170	50.400
193	9.650	31.660	25.060	25.054	0.257	-1.020	1.026	48.500
194	9.700	31.824	22.310	22.302	0.314	-1.270	1.408	43.800
195	9.750	31.988	20.180	20.184	0.492	0.660	2.438	39.700
196	9.800	32.152	30.220	30.233	0.508	2.020	1.680	29.500
197	9.850	32.316	75.720	75.733	1.096	2.040	1.447	26.100
198	9.900	32.480	88.330	88.343	1.773	2.130	2.007	28.700
199	9.950	32.644	65.140	65.157	2.138	2.750	3.281	36.100
200	10.000	32.808	52.450	52.463	1.852	2.060	3.530	38.200
201	10.050	32.972	24.340	24.348	1.319	1.250	5.417	44.400
202	10.100	33.136	27.340	27.350	0.838	1.640	3.064	41.000
203	10.150	33.300	20.160	20.180	0.724	3.220	3.588	43.700
204	10.200	33.464	41.520	41.547	1.046	4.400	2.518	31.400
205	10.250	33.628	68.490	68.516	1.704	4.130	2.487	27.100
206	10.300	33.792	76.190	76.220	2.780	4.750	3.647	27.200
207	10.350	33.956	85.000	85.028	3.170	4.510	3.728	18.200
208	10.400	34.120	59.380	59.410	2.891	4.880	4.866	14.200
209	10.450	34.284	49.560	49.588	2.068	4.470	4.170	15.600
210	10.500	34.448	66.580	66.597	1.923	2.790	2.887	13.600
211	10.550	34.612	67.220	67.241	1.796	3.400	2.671	23.700
212	10.600	34.776	48.350	48.370	3.088	3.260	6.384	27.100
213	10.650	34.941	104.430	104.459	3.112	4.590	2.979	31.800
214	10.700	35.105	147.890	147.932	3.081	6.750	2.083	37.300
215	10.750	35.269	91.060	91.106	2.283	7.400	2.506	48.800
216	10.800	35.433	57.040	57.069	1.601	4.650	2.805	60.900
217	10.850	35.597	39.900	39.926	1.223	4.170	3.063	76.000
218	10.900	35.761	19.230	19.264	0.956	5.380	4.963	56.200
219	10.950	35.925	13.290	13.329	0.765	6.240	5.739	52.300
220	11.000	36.089	28.200	28.241	0.794	6.580	2.812	46.500
221	11.050	36.253	43.510	43.550	0.747	6.420	1.715	38.000
222	11.100	36.417	25.960	25.997	0.734	6.000	2.823	30.900
223	11.150	36.581	34.930	34.962	0.600	5.170	1.716	23.100
224	11.200	36.745	26.360	26.389	0.541	4.690	2.050	25.500
225	11.250	36.909	36.090	36.116	0.448	4.230	1.240	40.900
226	11.300	37.073	29.790	29.816	0.398	4.100	1.335	37.100
227	11.350	37.237	33.860	33.882	0.506	3.500	1.493	51.400
228	11.400	37.401	24.060	24.080	0.570	3.280	2.367	43.000
229	11.450	37.565	27.490	27.512	0.586	3.540	2.130	45.000
230	11.500	37.729	27.240	27.263	0.745	3.760	2.733	45.700
231	11.550	37.893	40.440	40.454	1.051	2.300	2.598	49.800
232	11.600	38.057	42.440	42.459	0.872	3.040	2.054	37.500
233	11.650	38.221	31.580	31.600	0.916	3.150	2.899	28.700
234	11.700	38.385	28.120	28.134	0.834	2.270	2.964	27.100
235	11.750	38.549	23.510	23.526	0.730	2.500	3.103	21.400
236	11.800	38.713	25.750	25.767	0.983	2.650	3.815	16.400
237	11.850	38.877	46.740	46.757	1.023	2.750	2.188	16.200
238	11.900	39.042	68.960	68.975	1.442	2.400	2.091	14.000
239	11.950	39.206	51.190	51.210	1.684	3.170	3.288	15.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	43.810	43.833	1.640	3.670	3.741	15.300
241	12.050	39.534	32.440	32.456	1.088	2.560	3.352	17.500
242	12.100	39.698	24.020	24.040	0.822	3.190	3.419	19.400
243	12.150	39.862	20.540	20.563	0.596	3.680	2.898	16.100
244	12.200	40.026	73.470	73.499	0.931	4.720	1.267	21.100
245	12.250	40.190	64.200	64.227	1.024	4.380	1.594	29.300
246	12.300	40.354	60.910	60.935	1.032	4.070	1.694	29.000
247	12.350	40.518	56.240	56.266	1.191	4.240	2.117	35.900
248	12.400	40.682	47.930	47.957	0.519	4.370	1.082	39.000
249	12.450	40.846	33.230	33.258	0.634	4.510	1.906	30.900
250	12.500	41.010	25.770	25.798	0.764	4.410	2.962	36.200
251	12.550	41.174	31.630	31.656	0.951	4.100	3.004	35.700
252	12.600	41.338	26.930	26.961	0.899	4.990	3.334	52.400
253	12.650	41.502	32.490	32.523	0.732	5.320	2.251	44.400
254	12.700	41.666	37.160	37.192	0.543	5.110	1.460	52.500
255	12.750	41.830	22.110	22.139	0.353	4.570	1.595	54.900
256	12.800	41.994	29.660	29.695	0.593	5.540	1.997	46.800
257	12.850	42.158	50.550	50.589	0.777	6.240	1.536	42.900
258	12.900	42.322	32.640	32.680	0.806	6.430	2.466	45.200
259	12.950	42.486	40.820	40.859	1.005	6.210	2.460	42.300
260	13.000	42.650	40.720	40.762	1.017	6.800	2.495	45.100
261	13.050	42.814	47.370	47.408	0.943	6.020	1.989	36.000
262	13.100	42.978	42.900	42.938	0.886	6.020	2.063	35.400
263	13.150	43.143	47.670	47.708	1.045	6.040	2.190	22.000
264	13.200	43.307	45.310	45.351	1.053	6.550	2.322	20.800
265	13.250	43.471	29.570	29.611	0.866	6.520	2.925	18.900
266	13.300	43.635	24.290	24.325	0.723	5.610	2.972	12.700
267	13.350	43.799	16.420	16.454	0.778	5.500	4.728	9.200
268	13.400	43.963	31.380	31.415	0.584	5.670	1.859	14.800
269	13.450	44.127	12.030	12.067	0.483	5.880	4.003	9.800
270	13.500	44.291	26.130	26.166	0.740	5.710	2.828	8.700
271	13.550	44.455	44.810	44.851	0.821	6.540	1.831	10.400
272	13.600	44.619	50.240	50.280	1.037	6.460	2.062	9.900
273	13.650	44.783	39.470	39.510	1.149	6.440	2.908	10.500
274	13.700	44.947	27.860	27.899	1.084	6.280	3.885	9.800
275	13.750	45.111	22.350	22.399	0.990	7.900	4.420	8.200
276	13.800	45.275	28.250	28.302	1.508	8.270	5.328	8.800
277	13.850	45.439	39.090	39.139	1.673	7.800	4.275	8.100
278	13.900	45.603	29.160	29.198	1.470	6.040	5.035	14.300
279	13.950	45.767	19.580	19.618	1.029	6.140	5.245	11.700
280	14.000	45.931	32.310	32.351	0.699	6.630	2.161	14.600
281	14.050	46.095	26.560	26.601	0.709	6.500	2.665	13.900
282	14.100	46.259	19.180	19.220	0.828	6.330	4.308	28.300
283	14.150	46.423	11.740	11.783	0.653	6.860	5.542	28.300
284	14.200	46.587	10.070	10.120	0.638	8.030	6.304	40.500
285	14.250	46.751	26.190	26.241	0.525	8.090	2.001	44.000
286	14.300	46.915	37.420	37.474	0.539	8.570	1.438	62.400
287	14.350	47.079	50.690	50.742	0.464	8.290	0.914	59.200
288	14.400	47.244	60.020	60.067	0.229	7.580	0.381	70.700
289	14.450	47.408	67.260	67.308	0.294	7.710	0.437	64.100
290	14.500	47.572	80.210	80.258	0.374	7.720	0.466	58.900
291	14.550	47.736	85.520	85.569	0.456	7.770	0.533	60.300
292	14.600	47.900	90.030	90.078	0.583	7.680	0.647	56.500
293	14.650	48.064	92.110	92.158	0.663	7.700	0.719	66.100
294	14.700	48.228	97.830	97.879	0.706	7.820	0.721	58.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	117.870	117.919	0.719	7.770	0.610	65.200
296	14.800	48.556	170.950	170.999	0.832	7.880	0.487	62.700
297	14.850	48.720	200.990	201.040	1.061	8.020	0.528	58.900
298	14.900	48.884	223.340	223.391	1.278	8.210	0.572	61.200
299	14.950	49.048	237.280	237.331	1.506	8.240	0.635	51.000
300	15.000	49.212	251.860	251.913	1.701	8.440	0.675	46.400
301	15.050	49.376	256.670	256.723	1.885	8.430	0.734	49.900
302	15.100	49.540	249.410	249.463	1.927	8.440	0.772	43.200
303	15.150	49.704	240.020	240.073	1.952	8.530	0.813	40.600
304	15.200	49.868	228.960	229.013	1.914	8.510	0.836	53.300
305	15.250	50.032	221.040	221.094	1.886	8.620	0.853	46.900
306	15.300	50.196	218.460	218.515	1.830	8.780	0.837	45.000
307	15.350	50.360	220.540	220.595	1.817	8.760	0.824	50.800
308	15.400	50.524	222.790	222.845	1.803	8.840	0.809	47.100
309	15.450	50.688	215.600	215.656	1.883	8.970	0.873	49.300
310	15.500	50.852	205.070	205.128	1.839	9.240	0.897	47.600
311	15.550	51.016	219.090	219.148	1.662	9.300	0.758	53.400
312	15.600	51.180	254.650	254.709	1.840	9.390	0.722	46.900
313	15.650	51.345	292.270	292.329	2.161	9.510	0.739	60.100
314	15.700	51.509	319.070	319.131	2.507	9.760	0.786	53.800
315	15.750	51.673	328.900	328.962	2.967	9.940	0.902	51.400
316	15.800	51.837	320.710	320.773	3.146	10.160	0.981	64.100
317	15.850	52.001	286.080	286.144	3.050	10.200	1.066	56.400
318	15.900	52.165	262.640	262.705	2.737	10.460	1.042	50.100
319	15.950	52.329	252.630	252.694	2.397	10.290	0.949	47.800
320	16.000	52.493	250.810	250.875	2.193	10.400	0.874	46.600
321	16.050	52.657	255.780	255.846	2.172	10.570	0.849	47.500
322	16.100	52.821	251.240	251.306	2.156	10.630	0.858	51.000
323	16.150	52.985	233.530	233.597	2.167	10.720	0.928	43.600
324	16.200	53.149	219.340	219.406	1.914	10.580	0.872	54.600
325	16.250	53.313	214.730	214.796	1.838	10.620	0.856	47.300
326	16.300	53.477	195.050	195.116	1.832	10.560	0.939	51.200
327	16.350	53.641	173.410	173.477	1.773	10.660	1.022	47.900
328	16.400	53.805	161.380	161.446	1.493	10.600	0.925	51.800
329	16.450	53.969	154.830	154.895	1.321	10.490	0.853	48.900
330	16.500	54.133	156.770	156.835	1.134	10.460	0.723	51.800
331	16.550	54.297	175.710	175.774	1.101	10.270	0.626	58.000
332	16.600	54.461	203.850	203.915	1.270	10.460	0.623	53.000
333	16.650	54.625	221.580	221.644	1.612	10.320	0.727	47.100
334	16.700	54.789	221.090	221.156	1.803	10.540	0.815	0.000
335	16.750	54.953	213.590	213.657	1.860	10.660	0.871	0.000
336	16.800	55.117	213.120	213.185	1.727	10.430	0.810	0.000
337	16.850	55.281	224.930	224.996	1.629	10.550	0.724	0.000
338	16.900	55.446	225.160	225.226	1.607	10.510	0.714	0.000
339	16.950	55.610	219.060	219.126	1.544	10.540	0.705	0.000
340	17.000	55.774	207.960	208.026	1.438	10.520	0.691	0.000
341	17.050	55.938	189.730	189.796	1.355	10.620	0.714	0.000
342	17.100	56.102	168.570	168.637	1.263	10.680	0.749	0.000
343	17.150	56.266	151.790	151.855	1.053	10.480	0.693	0.000
344	17.200	56.430	134.380	134.444	0.885	10.270	0.658	0.000
345	17.250	56.594	122.790	122.853	0.791	10.170	0.644	0.000
346	17.300	56.758	106.390	106.453	0.715	10.170	0.672	0.000
347	17.350	56.922	92.490	92.553	0.663	10.160	0.716	0.000
348	17.400	57.086	81.820	81.882	0.000	10.010	0.000	0.000
349	17.450	57.250	63.080	63.142	0.000	9.960	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221671
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-111A
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-13-2013
CPT Time:	12:09
CPT File:	13-53075_GP111A.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722238.554
Northing / Lat:	4294352.215
Elevation:	144.865
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth m	Depth ft	qc tsf	qt tsf	fs tsf	u ft	Rf %	Gamma cps
1	0.050	0.164	17.720	17.721	0.067	0.140	0.378	24.500
2	0.100	0.328	25.670	25.669	0.220	-0.140	0.857	42.800
3	0.150	0.492	49.700	49.700	0.175	0.010	0.352	49.600
4	0.200	0.656	52.300	52.301	0.204	0.140	0.390	68.900
5	0.250	0.820	38.780	38.782	0.469	0.260	1.209	65.800
6	0.300	0.984	28.590	28.591	0.597	0.130	2.088	76.500
7	0.350	1.148	18.950	18.951	0.681	0.100	3.594	77.800
8	0.400	1.312	14.740	14.741	0.776	0.140	5.264	78.600
9	0.450	1.476	10.500	10.501	0.663	0.170	6.314	86.200
10	0.500	1.640	3.950	3.952	1.710	0.390	43.264	78.800
11	0.550	1.804	14.670	14.672	1.063	0.300	7.245	79.600
12	0.600	1.968	7.420	7.422	0.673	0.250	9.068	84.900
13	0.650	2.133	12.100	12.101	0.836	0.190	6.908	86.200
14	0.700	2.297	13.740	13.740	0.829	0.030	6.033	84.100
15	0.750	2.461	10.810	10.811	0.752	0.130	6.956	85.100
16	0.800	2.625	7.680	7.680	0.639	0.020	8.320	98.100
17	0.850	2.789	8.370	8.372	0.672	0.260	8.027	82.200
18	0.900	2.953	22.580	22.581	0.796	0.240	3.525	85.400
19	0.950	3.117	37.400	37.402	0.808	0.370	2.160	79.900

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	36.030	36.027	0.701	-0.440	1.946	79.900
21	1.050	3.445	31.200	31.223	0.555	3.650	1.778	97.800
22	1.100	3.609	26.500	26.498	0.851	-0.320	3.212	77.200
23	1.150	3.773	28.190	28.196	0.813	0.910	2.883	86.400
24	1.200	3.937	23.350	23.356	0.854	0.940	3.656	89.900
25	1.250	4.101	17.160	17.166	0.720	0.990	4.194	104.700
26	1.300	4.265	13.540	13.546	0.469	0.900	3.462	103.200
27	1.350	4.429	12.650	12.654	0.318	0.580	2.513	116.500
28	1.400	4.593	11.100	11.108	0.350	1.300	3.151	110.700
29	1.450	4.757	11.660	11.660	0.300	-0.060	2.573	114.700
30	1.500	4.921	10.330	10.335	0.295	0.860	2.854	110.400
31	1.550	5.085	10.350	10.356	0.281	0.920	2.713	104.600
32	1.600	5.249	9.840	9.844	0.268	0.590	2.723	99.300
33	1.650	5.413	10.110	10.113	0.258	0.520	2.551	111.800
34	1.700	5.577	10.270	10.274	0.277	0.590	2.696	110.700
35	1.750	5.741	9.530	9.531	0.237	0.090	2.487	123.100
36	1.800	5.905	10.010	10.012	0.232	0.320	2.317	121.400
37	1.850	6.069	9.460	9.463	0.240	0.510	2.536	117.600
38	1.900	6.234	9.290	9.292	0.219	0.300	2.357	114.400
39	1.950	6.398	10.300	10.302	0.300	0.330	2.912	127.800
40	2.000	6.562	12.710	12.712	0.336	0.300	2.643	103.100
41	2.050	6.726	14.000	14.004	0.343	0.640	2.449	107.100
42	2.100	6.890	12.640	12.643	0.364	0.470	2.879	105.500
43	2.150	7.054	10.110	10.113	0.414	0.550	4.094	103.700
44	2.200	7.218	9.440	9.448	0.438	1.300	4.636	87.400
45	2.250	7.382	17.710	17.736	0.414	4.190	2.334	89.000
46	2.300	7.546	35.230	35.241	0.510	1.790	1.447	86.100
47	2.350	7.710	39.670	39.675	0.492	0.840	1.240	94.100
48	2.400	7.874	38.300	38.259	0.645	-6.630	1.686	105.300
49	2.450	8.038	37.860	37.825	0.729	-5.580	1.927	88.400
50	2.500	8.202	37.340	37.302	0.752	-6.150	2.016	104.800
51	2.550	8.366	38.610	38.558	0.699	-8.290	1.813	91.500
52	2.600	8.530	35.000	34.937	0.666	-10.100	1.906	77.200
53	2.650	8.694	32.620	32.552	0.638	-10.910	1.960	68.000
54	2.700	8.858	38.810	38.767	0.887	-6.850	2.288	64.700
55	2.750	9.022	54.000	53.998	1.077	-0.320	1.995	59.200
56	2.800	9.186	40.510	40.516	0.979	0.890	2.416	54.200
57	2.850	9.350	25.930	25.927	0.899	-0.560	3.467	41.900
58	2.900	9.514	24.250	24.254	0.476	0.590	1.963	36.400
59	2.950	9.678	33.560	33.560	0.551	-0.010	1.642	28.800
60	3.000	9.842	34.160	34.162	0.538	0.310	1.575	30.800
61	3.050	10.006	30.760	30.753	0.573	-1.180	1.863	22.500
62	3.100	10.170	24.600	24.604	0.528	0.640	2.146	21.200
63	3.150	10.335	45.600	45.599	0.448	-0.210	0.982	17.800
64	3.200	10.499	46.440	46.441	0.271	0.230	0.584	13.800
65	3.250	10.663	34.640	34.638	0.525	-0.250	1.516	20.300
66	3.300	10.827	18.420	18.419	0.455	-0.180	2.470	20.700
67	3.350	10.991	10.730	10.725	0.245	-0.740	2.284	17.400
68	3.400	11.155	10.180	10.183	0.219	0.530	2.151	18.200
69	3.450	11.319	7.860	7.858	0.235	-0.380	2.991	24.000
70	3.500	11.483	18.160	18.155	0.208	-0.730	1.146	21.200
71	3.550	11.647	26.490	26.500	0.198	1.680	0.747	26.400
72	3.600	11.811	33.600	33.614	0.410	2.270	1.220	27.500
73	3.650	11.975	21.790	21.795	0.321	0.840	1.473	27.500
74	3.700	12.139	15.580	15.572	0.507	-1.240	3.256	28.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	35.490	35.485	0.741	-0.770	2.088	20.800
76	3.800	12.467	71.500	71.501	0.617	0.220	0.863	25.800
77	3.850	12.631	116.600	116.602	1.151	0.300	0.987	20.300
78	3.900	12.795	93.030	93.025	1.222	-0.790	1.314	16.200
79	3.950	12.959	18.320	18.314	1.297	-1.000	7.082	16.800
80	4.000	13.123	17.420	17.417	0.713	-0.490	4.094	20.500
81	4.050	13.287	8.940	8.933	0.423	-1.080	4.735	15.200
82	4.100	13.451	11.940	11.936	0.367	-0.680	3.075	21.300
83	4.150	13.615	11.430	11.428	0.413	-0.380	3.614	21.700
84	4.200	13.779	11.260	11.256	0.342	-0.590	3.038	30.000
85	4.250	13.943	10.680	10.680	0.367	-0.030	3.436	32.300
86	4.300	14.107	22.980	22.978	0.238	-0.390	1.036	26.900
87	4.350	14.271	9.600	9.595	0.296	-0.760	3.085	33.700
88	4.400	14.436	12.970	12.971	0.196	0.240	1.511	41.700
89	4.450	14.600	15.130	15.142	0.338	1.910	2.232	45.100
90	4.500	14.764	19.120	19.112	0.405	-1.270	2.119	68.300
91	4.550	14.928	17.870	17.924	0.402	8.680	2.243	81.600
92	4.600	15.092	27.590	27.608	0.365	2.930	1.322	98.400
93	4.650	15.256	22.260	22.263	0.521	0.520	2.340	104.500
94	4.700	15.420	17.350	17.367	0.411	2.690	2.367	100.500
95	4.750	15.584	13.680	13.742	0.276	9.920	2.008	91.300
96	4.800	15.748	9.060	9.050	0.243	-1.660	2.685	81.900
97	4.850	15.912	4.040	4.044	0.173	0.650	4.278	68.300
98	4.900	16.076	3.660	3.662	0.111	0.260	3.031	64.000
99	4.950	16.240	2.900	2.910	0.128	1.610	4.399	63.400
100	5.000	16.404	8.270	8.287	0.235	2.740	2.836	57.500
101	5.050	16.568	12.430	12.433	0.331	0.460	2.662	64.800
102	5.100	16.732	17.530	17.536	0.397	0.980	2.264	77.900
103	5.150	16.896	29.530	29.537	0.419	1.060	1.419	79.600
104	5.200	17.060	39.100	39.094	0.390	-0.920	0.998	80.100
105	5.250	17.224	38.720	38.664	0.333	-9.040	0.861	65.200
106	5.300	17.388	34.370	34.294	0.354	-12.210	1.032	56.800
107	5.350	17.552	32.200	32.191	0.372	-1.520	1.156	47.800
108	5.400	17.716	31.250	31.252	0.506	0.270	1.619	34.500
109	5.450	17.880	19.080	19.079	0.395	-0.240	2.070	37.900
110	5.500	18.044	30.390	30.391	0.830	0.090	2.731	24.400
111	5.550	18.208	47.600	47.596	0.648	-0.680	1.361	19.200
112	5.600	18.372	12.470	12.471	0.541	0.180	4.338	19.700
113	5.650	18.537	11.210	11.211	0.193	0.120	1.722	13.900
114	5.700	18.701	2.410	2.411	0.322	0.100	13.358	11.100
115	5.750	18.865	75.940	75.942	0.513	0.280	0.676	7.900
116	5.800	19.029	125.470	125.470	0.732	0.080	0.583	6.800
117	5.850	19.193	160.760	160.759	2.533	-0.150	1.576	4.200
118	5.900	19.357	180.260	180.261	5.086	0.090	2.821	4.300
119	5.950	19.521	168.780	168.785	4.788	0.820	2.837	5.800
120	6.000	19.685	40.570	40.646	2.952	12.110	7.263	4.700
121	6.050	19.849	59.440	59.567	1.268	20.360	2.129	6.900
122	6.100	20.013	57.550	57.565	0.655	2.420	1.138	10.200
123	6.150	20.177	51.850	51.819	0.608	-4.920	1.173	6.200
124	6.200	20.341	33.040	33.007	0.796	-5.240	2.412	15.400
125	6.250	20.505	46.410	46.412	0.715	0.270	1.541	15.600
126	6.300	20.669	73.420	73.425	1.035	0.840	1.410	27.600
127	6.350	20.833	34.960	34.969	0.904	1.460	2.585	30.800
128	6.400	20.997	33.740	33.734	0.999	-0.890	2.961	31.200
129	6.450	21.161	48.110	48.107	1.039	-0.530	2.160	33.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	32.310	32.304	1.123	-1.040	3.476	31.300
131	6.550	21.489	38.620	38.618	0.681	-0.280	1.763	24.900
132	6.600	21.653	22.850	22.855	0.374	0.800	1.636	23.000
133	6.650	21.817	31.970	31.972	0.348	0.290	1.088	22.000
134	6.700	21.981	23.820	23.824	0.235	0.630	0.986	23.800
135	6.750	22.145	10.840	10.845	0.725	0.730	6.685	19.900
136	6.800	22.309	21.070	21.079	0.869	1.400	4.123	22.500
137	6.850	22.473	22.200	22.205	0.812	0.870	3.657	18.400
138	6.900	22.638	14.130	14.136	0.722	1.010	5.107	16.600
139	6.950	22.802	9.480	9.488	0.407	1.320	4.290	13.900
140	7.000	22.966	7.830	7.839	0.218	1.410	2.781	13.100
141	7.050	23.130	27.440	27.447	0.417	1.060	1.519	11.200
142	7.100	23.294	20.940	20.959	0.367	3.010	1.751	14.100
143	7.150	23.458	162.230	162.241	1.901	1.690	1.172	9.900
144	7.200	23.622	255.830	255.851	3.813	3.370	1.490	13.900
145	7.250	23.786	273.100	273.121	5.309	3.420	1.944	6.800
146	7.300	23.950	174.370	174.387	4.474	2.800	2.566	11.100
147	7.350	24.114	29.270	29.292	3.791	3.550	12.942	13.600
148	7.400	24.278	24.900	24.935	2.015	5.580	8.081	17.800
149	7.450	24.442	25.640	25.701	0.887	9.800	3.451	21.000
150	7.500	24.606	23.210	23.271	0.672	9.810	2.888	24.900
151	7.550	24.770	24.400	24.430	0.584	4.850	2.390	33.700
152	7.600	24.934	27.010	27.032	0.582	3.470	2.153	43.100
153	7.650	25.098	16.180	16.208	0.599	4.460	3.696	71.900
154	7.700	25.262	21.960	21.986	0.648	4.190	2.947	108.700
155	7.750	25.426	18.120	18.133	0.447	2.150	2.465	143.900
156	7.800	25.590	12.650	12.678	0.410	4.410	3.234	145.300
157	7.850	25.754	14.700	14.738	0.320	6.080	2.171	150.300
158	7.900	25.918	17.290	17.338	0.336	7.620	1.938	159.400
159	7.950	26.082	21.820	21.867	0.350	7.460	1.601	137.200
160	8.000	26.246	17.620	17.661	0.331	6.500	1.874	133.500
161	8.050	26.410	15.970	16.012	0.260	6.720	1.624	121.500
162	8.100	26.574	17.200	17.244	0.257	7.000	1.490	116.700
163	8.150	26.739	18.750	19.085	0.289	53.640	1.514	89.800
164	8.200	26.903	18.300	18.606	0.291	48.960	1.564	96.500
165	8.250	27.067	18.950	19.249	0.274	47.960	1.423	105.700
166	8.300	27.231	23.750	23.981	0.365	36.930	1.522	88.300
167	8.350	27.395	23.960	24.100	0.403	22.430	1.672	106.400
168	8.400	27.559	23.750	23.875	0.294	20.080	1.231	94.900
169	8.450	27.723	22.570	22.674	0.390	16.640	1.720	86.900
170	8.500	27.887	18.540	18.628	0.496	14.020	2.663	90.600
171	8.550	28.051	17.120	17.204	0.491	13.430	2.854	94.400
172	8.600	28.215	16.410	16.483	0.458	11.700	2.779	89.800
173	8.650	28.379	17.280	17.355	0.448	12.030	2.581	87.000
174	8.700	28.543	21.310	21.387	0.471	12.260	2.202	89.800
175	8.750	28.707	20.270	20.346	0.430	12.250	2.113	84.300
176	8.800	28.871	16.300	16.379	0.418	12.700	2.552	89.600
177	8.850	29.035	16.350	16.435	0.428	13.590	2.604	81.100
178	8.900	29.199	13.950	14.042	0.381	14.750	2.713	88.100
179	8.950	29.363	12.520	12.616	0.390	15.400	3.091	79.800
180	9.000	29.527	13.340	13.437	0.498	15.610	3.706	59.800
181	9.050	29.691	16.360	16.456	0.748	15.410	4.545	54.800
182	9.100	29.855	35.300	35.393	0.857	14.880	2.421	49.000
183	9.150	30.019	55.620	55.719	1.318	15.790	2.365	45.500
184	9.200	30.183	52.100	52.186	2.011	13.790	3.854	44.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	41.800	41.894	1.834	15.020	4.378	42.100
186	9.300	30.511	99.580	99.661	2.286	13.010	2.294	35.700
187	9.350	30.675	57.030	57.101	2.231	11.360	3.907	43.300
188	9.400	30.840	36.880	36.952	1.686	11.490	4.563	43.200
189	9.450	31.004	48.510	48.576	1.585	10.590	3.263	45.800
190	9.500	31.168	56.280	56.337	1.615	9.210	2.867	55.100
191	9.550	31.332	26.050	26.105	1.343	8.760	5.145	63.600
192	9.600	31.496	16.200	16.261	0.933	9.700	5.738	58.900
193	9.650	31.660	23.030	23.094	0.420	10.300	1.819	64.500
194	9.700	31.824	28.490	28.548	0.429	9.360	1.503	62.400
195	9.750	31.988	30.210	30.268	0.507	9.270	1.675	63.700
196	9.800	32.152	33.200	33.258	0.563	9.230	1.693	72.600
197	9.850	32.316	30.950	31.006	0.623	9.010	2.009	61.600
198	9.900	32.480	34.480	34.537	0.640	9.100	1.853	60.800
199	9.950	32.644	39.540	39.594	0.834	8.710	2.106	59.000
200	10.000	32.808	36.760	36.813	0.724	8.530	1.967	58.800
201	10.050	32.972	31.720	31.772	0.603	8.300	1.898	62.900
202	10.100	33.136	29.650	29.701	0.681	8.210	2.293	73.600
203	10.150	33.300	23.960	24.009	0.396	7.900	1.649	77.200
204	10.200	33.464	16.570	16.620	0.595	8.000	3.580	58.500
205	10.250	33.628	22.110	22.158	0.493	7.760	2.225	57.800
206	10.300	33.792	48.940	48.981	0.613	6.570	1.252	65.200
207	10.350	33.956	71.690	71.729	0.911	6.260	1.270	68.000
208	10.400	34.120	50.810	50.849	0.886	6.170	1.742	61.600
209	10.450	34.284	39.200	39.235	1.064	5.540	2.712	55.900
210	10.500	34.448	44.940	44.975	0.851	5.640	1.892	66.700
211	10.550	34.612	32.430	32.467	1.018	5.910	3.136	64.800
212	10.600	34.776	25.420	25.454	0.967	5.420	3.799	58.300
213	10.650	34.941	16.080	16.117	0.743	5.920	4.610	67.100
214	10.700	35.105	18.490	18.540	0.576	7.990	3.107	77.700
215	10.750	35.269	21.070	21.121	0.649	8.200	3.073	70.900
216	10.800	35.433	35.760	35.816	0.733	8.910	2.047	76.000
217	10.850	35.597	39.270	39.322	0.791	8.290	2.012	76.700
218	10.900	35.761	27.840	27.890	0.814	7.960	2.919	65.700
219	10.950	35.925	49.330	49.377	0.913	7.490	1.849	62.500
220	11.000	36.089	47.110	47.172	1.223	9.870	2.593	64.400
221	11.050	36.253	41.420	41.471	1.331	8.110	3.210	54.700
222	11.100	36.417	32.330	32.378	1.134	7.700	3.502	57.100
223	11.150	36.581	24.170	24.222	0.699	8.270	2.886	70.900
224	11.200	36.745	19.020	19.072	0.377	8.360	1.977	51.000
225	11.250	36.909	19.550	19.595	0.360	7.200	1.837	36.400
226	11.300	37.073	30.260	30.296	0.299	5.760	0.987	34.900
227	11.350	37.237	26.660	26.692	0.529	5.130	1.982	33.900
228	11.400	37.401	39.410	39.438	0.474	4.460	1.202	31.700
229	11.450	37.565	39.930	39.955	0.293	4.040	0.733	44.600
230	11.500	37.729	31.900	31.918	0.245	2.940	0.768	55.000
231	11.550	37.893	21.640	21.661	0.248	3.330	1.145	49.900
232	11.600	38.057	18.520	18.544	0.286	3.860	1.542	48.200
233	11.650	38.221	18.680	18.706	0.270	4.120	1.443	49.500
234	11.700	38.385	25.440	25.468	0.308	4.560	1.209	41.800
235	11.750	38.549	40.580	40.600	0.230	3.200	0.567	31.600
236	11.800	38.713	42.600	42.618	0.224	2.960	0.526	26.500
237	11.850	38.877	45.190	45.206	0.515	2.530	1.139	24.300
238	11.900	39.042	42.250	42.262	0.720	1.900	1.704	25.600
239	11.950	39.206	40.410	40.424	0.984	2.190	2.434	20.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	53.300	53.316	1.130	2.490	2.119	16.800
241	12.050	39.534	58.420	58.439	1.308	3.000	2.238	11.400
242	12.100	39.698	52.540	52.566	1.647	4.230	3.133	9.700
243	12.150	39.862	51.640	51.662	1.761	3.590	3.409	11.900
244	12.200	40.026	50.190	50.210	1.675	3.240	3.336	10.700
245	12.250	40.190	53.190	53.209	1.749	3.070	3.287	5.700
246	12.300	40.354	53.050	53.069	1.225	3.120	2.308	5.000
247	12.350	40.518	45.720	45.737	1.767	2.650	3.863	6.600
248	12.400	40.682	50.800	50.814	1.062	2.190	2.090	12.700
249	12.450	40.846	46.450	46.461	0.775	1.750	1.668	11.100
250	12.500	41.010	41.140	41.153	0.451	2.070	1.096	12.100
251	12.550	41.174	40.390	40.405	0.572	2.480	1.416	11.200
252	12.600	41.338	30.860	30.879	0.812	3.020	2.630	18.100
253	12.650	41.502	50.640	50.659	1.024	3.020	2.021	26.000
254	12.700	41.666	26.310	26.332	0.772	3.560	2.932	27.100
255	12.750	41.830	25.430	25.455	0.988	4.070	3.881	23.700
256	12.800	41.994	35.570	35.598	0.851	4.450	2.391	22.500
257	12.850	42.158	24.940	24.971	0.638	5.010	2.555	22.900
258	12.900	42.322	40.790	40.821	0.898	4.890	2.200	28.800
259	12.950	42.486	34.030	34.052	1.096	3.520	3.219	27.600
260	13.000	42.650	15.950	15.976	0.819	4.140	5.126	25.700
261	13.050	42.814	24.870	24.900	0.683	4.760	2.743	27.800
262	13.100	42.978	52.540	52.567	0.827	4.270	1.573	32.200
263	13.150	43.143	30.040	30.069	0.834	4.700	2.774	45.500
264	13.200	43.307	24.290	24.317	0.900	4.310	3.701	59.900
265	13.250	43.471	25.500	25.526	0.400	4.130	1.567	70.600
266	13.300	43.635	24.930	24.957	0.289	4.250	1.158	69.800
267	13.350	43.799	30.590	30.618	0.268	4.470	0.875	78.700
268	13.400	43.963	51.350	51.382	0.260	5.190	0.506	79.900
269	13.450	44.127	63.830	63.863	0.438	5.350	0.686	66.800
270	13.500	44.291	48.320	48.351	0.745	4.910	1.541	64.800
271	13.550	44.455	37.460	37.490	0.982	4.790	2.619	67.200
272	13.600	44.619	24.690	24.719	0.681	4.690	2.755	71.000
273	13.650	44.783	38.920	38.958	0.461	6.070	1.183	72.300
274	13.700	44.947	90.040	90.078	0.645	6.110	0.716	68.300
275	13.750	45.111	88.350	88.384	1.136	5.490	1.285	66.100
276	13.800	45.275	70.970	71.005	1.174	5.580	1.653	61.300
277	13.850	45.439	63.920	63.950	1.377	4.790	2.153	52.700
278	13.900	45.603	39.250	39.277	1.348	4.360	3.432	42.600
279	13.950	45.767	28.680	28.715	1.208	5.650	4.207	28.500
280	14.000	45.931	36.560	36.597	1.365	6.000	3.730	29.100
281	14.050	46.095	37.510	37.543	1.689	5.350	4.499	24.900
282	14.100	46.259	35.990	36.021	1.719	5.040	4.772	14.400
283	14.150	46.423	56.930	56.968	1.902	6.050	3.339	18.900
284	14.200	46.587	82.680	82.718	2.067	6.030	2.499	26.400
285	14.250	46.751	51.770	51.807	2.226	5.940	4.297	10.500
286	14.300	46.915	47.560	47.599	1.557	6.300	3.271	24.500
287	14.350	47.079	41.130	41.166	1.183	5.830	2.874	27.400
288	14.400	47.244	42.310	42.347	1.208	5.940	2.853	29.000
289	14.450	47.408	44.520	44.553	1.228	5.230	2.756	33.800
290	14.500	47.572	44.390	44.421	1.406	5.020	3.165	34.600
291	14.550	47.736	44.080	44.120	1.552	6.470	3.518	39.300
292	14.600	47.900	72.890	72.933	2.192	6.950	3.005	29.500
293	14.650	48.064	88.450	88.491	1.968	6.630	2.224	24.100
294	14.700	48.228	116.500	116.533	2.487	5.320	2.134	19.500

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	82.270	82.288	2.612	2.830	3.174	17.100
296	14.800	48.556	81.950	81.974	3.259	3.900	3.976	15.900
297	14.850	48.720	94.930	94.964	3.733	5.400	3.931	13.700
298	14.900	48.884	100.220	100.256	3.902	5.800	3.892	12.000
299	14.950	49.048	78.100	78.141	3.727	6.620	4.770	17.700
300	15.000	49.212	67.600	67.654	2.676	8.570	3.955	12.900
301	15.050	49.376	75.560	75.611	1.880	8.100	2.486	16.900
302	15.100	49.540	70.200	70.249	1.191	7.910	1.695	19.500
303	15.150	49.704	61.840	61.885	1.068	7.270	1.726	15.600
304	15.200	49.868	22.290	22.333	0.631	6.820	2.825	0.000
305	15.250	50.032	48.110	48.150	0.640	6.390	1.329	0.000
306	15.300	50.196	49.380	49.419	0.965	6.180	1.953	0.000
307	15.350	50.360	43.250	43.292	1.312	6.770	3.031	0.000
308	15.400	50.524	41.090	41.133	1.206	6.840	2.932	0.000
309	15.450	50.688	29.140	29.181	1.051	6.580	3.602	0.000
310	15.500	50.852	18.480	18.519	0.729	6.170	3.937	0.000
311	15.550	51.016	40.210	40.247	0.702	5.870	1.744	0.000
312	15.600	51.180	30.190	30.225	0.851	5.560	2.816	0.000
313	15.650	51.345	18.320	18.357	0.686	5.980	3.737	0.000
314	15.700	51.509	33.170	33.216	0.601	7.420	1.809	0.000
315	15.750	51.673	96.570	96.616	0.632	7.370	0.654	0.000
316	15.800	51.837	142.880	142.928	0.834	7.740	0.584	0.000
317	15.850	52.001	164.210	164.257	1.165	7.500	0.709	0.000
318	15.900	52.165	182.380	182.428	0.000	7.650	0.000	0.000
319	15.950	52.329	215.690	215.739	0.000	7.790	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221668
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-111
Cone ID:	268:T1500F15U500
Operator:	BM/JT/YB
CPT Date:	Nov-12-2013
CPT Time:	12:40
CPT File:	13-53075_GP111.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722238.580
Northing / Lat:	4294352.350
Elevation:	144.870
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	1.370	1.371	0.047	0.100	3.429	28.000
2	0.100	0.328	33.450	33.453	0.163	0.560	0.487	44.300
3	0.150	0.492	54.730	54.733	0.209	0.520	0.382	58.600
4	0.200	0.656	47.500	47.503	0.480	0.410	1.010	72.400
5	0.250	0.820	41.450	41.452	0.693	0.300	1.672	75.300
6	0.300	0.984	20.820	20.829	0.924	1.440	4.436	98.200
7	0.350	1.148	25.550	25.499	1.234	-8.190	4.839	96.000
8	0.400	1.312	35.420	35.348	1.437	-11.570	4.065	108.000
9	0.450	1.476	34.300	34.288	1.666	-1.970	4.859	114.100
10	0.500	1.640	37.910	37.908	1.559	-0.350	4.113	99.900
11	0.550	1.804	40.370	40.368	1.168	-0.320	2.893	113.000
12	0.600	1.968	48.610	48.609	1.119	-0.140	2.302	95.500
13	0.650	2.133	61.360	61.362	1.342	0.320	2.187	97.700
14	0.700	2.297	78.440	78.443	1.696	0.420	2.162	97.100
15	0.750	2.461	76.180	76.182	2.027	0.310	2.661	85.700
16	0.800	2.625	70.880	70.879	2.364	-0.120	3.335	91.800
17	0.850	2.789	70.310	70.310	2.155	0.000	3.065	94.000
18	0.900	2.953	59.000	58.999	1.264	-0.090	2.142	95.400
19	0.950	3.117	78.540	78.540	1.104	-0.060	1.406	91.200

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	60.500	60.500	1.075	0.050	1.777	92.300
21	1.050	3.445	53.190	53.190	1.098	-0.010	2.064	95.300
22	1.100	3.609	34.990	34.994	1.145	0.580	3.272	112.300
23	1.150	3.773	34.410	34.409	1.089	-0.200	3.165	130.700
24	1.200	3.937	34.840	34.843	0.898	0.530	2.577	107.700
25	1.250	4.101	27.590	27.591	0.975	0.230	3.534	120.600
26	1.300	4.265	21.840	21.842	0.871	0.400	3.988	117.300
27	1.350	4.429	19.290	19.291	0.863	0.160	4.474	124.900
28	1.400	4.593	22.560	22.561	0.982	0.160	4.353	105.400
29	1.450	4.757	28.030	28.028	1.161	-0.260	4.142	108.000
30	1.500	4.921	28.380	28.381	1.216	0.090	4.285	84.000
31	1.550	5.085	27.470	27.470	1.137	0.080	4.139	76.900
32	1.600	5.249	22.890	22.894	0.840	0.620	3.669	89.600
33	1.650	5.413	22.280	22.246	0.762	-5.370	3.425	87.000
34	1.700	5.577	19.320	19.299	0.680	-3.330	3.523	74.000
35	1.750	5.741	18.100	18.080	0.594	-3.260	3.285	74.000
36	1.800	5.905	18.440	18.439	0.486	-0.110	2.636	72.700
37	1.850	6.069	19.300	19.302	1.145	0.320	5.932	70.700
38	1.900	6.234	15.190	15.186	1.028	-0.720	6.770	75.200
39	1.950	6.398	98.810	98.816	1.267	0.930	1.282	78.200
40	2.000	6.562	102.140	102.150	2.117	1.540	2.072	80.300
41	2.050	6.726	85.020	85.020	2.693	-0.070	3.168	75.800
42	2.100	6.890	78.830	78.827	2.936	-0.440	3.725	59.800
43	2.150	7.054	65.270	65.269	1.819	-0.090	2.787	69.900
44	2.200	7.218	29.500	29.500	1.054	-0.070	3.573	85.600
45	2.250	7.382	20.050	20.050	0.601	0.040	2.997	88.500
46	2.300	7.546	12.610	12.614	0.560	0.600	4.440	70.700
47	2.350	7.710	12.460	12.473	0.377	2.120	3.022	76.100
48	2.400	7.874	15.120	15.143	0.358	3.620	2.364	77.300
49	2.450	8.038	17.390	17.372	0.367	-2.910	2.113	96.800
50	2.500	8.202	15.210	15.172	0.427	-6.160	2.814	98.000
51	2.550	8.366	19.140	19.099	0.462	-6.630	2.419	86.800
52	2.600	8.530	23.950	23.899	0.424	-8.170	1.774	87.000
53	2.650	8.694	29.920	29.855	0.534	-10.450	1.789	80.300
54	2.700	8.858	27.680	27.609	0.655	-11.370	2.372	83.800
55	2.750	9.022	21.810	21.715	0.548	-15.250	2.524	60.700
56	2.800	9.186	20.700	20.601	0.501	-15.930	2.432	52.700
57	2.850	9.350	15.130	15.131	0.394	0.100	2.604	61.500
58	2.900	9.514	10.910	10.911	0.388	0.090	3.556	54.700
59	2.950	9.678	8.540	8.538	0.302	-0.290	3.537	54.800
60	3.000	9.842	5.880	5.879	0.271	-0.150	4.610	41.900
61	3.050	10.006	4.120	4.112	0.283	-1.330	6.883	32.100
62	3.100	10.170	20.480	20.477	0.421	-0.500	2.056	24.000
63	3.150	10.335	33.730	33.734	0.464	0.690	1.375	25.700
64	3.200	10.499	33.160	33.157	0.462	-0.560	1.393	21.500
65	3.250	10.663	48.910	48.909	0.371	-0.120	0.759	20.700
66	3.300	10.827	22.310	22.312	0.439	0.380	1.968	27.300
67	3.350	10.991	31.670	31.674	0.486	0.720	1.534	30.100
68	3.400	11.155	23.290	23.293	0.310	0.460	1.331	40.600
69	3.450	11.319	21.280	21.280	0.453	-0.010	2.129	36.000
70	3.500	11.483	21.100	21.108	0.355	1.360	1.682	41.800
71	3.550	11.647	24.200	24.202	0.480	0.300	1.983	35.500
72	3.600	11.811	21.470	21.470	0.448	0.070	2.087	39.700
73	3.650	11.975	21.750	21.757	0.442	1.190	2.031	34.300
74	3.700	12.139	31.270	31.258	0.466	-2.000	1.491	30.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	26.050	26.041	0.478	-1.390	1.836	30.600
76	3.800	12.467	19.540	19.533	0.493	-1.050	2.524	24.200
77	3.850	12.631	20.500	20.498	0.326	-0.280	1.590	29.200
78	3.900	12.795	14.240	14.241	0.207	0.100	1.454	27.500
79	3.950	12.959	7.400	7.401	0.341	0.140	4.608	29.700
80	4.000	13.123	5.090	5.090	0.473	0.070	9.292	20.200
81	4.050	13.287	27.930	27.934	0.681	0.670	2.438	20.500
82	4.100	13.451	28.680	28.680	0.840	-0.040	2.929	21.100
83	4.150	13.615	7.320	7.321	0.714	0.120	9.753	24.100
84	4.200	13.779	18.840	18.840	0.344	-0.020	1.826	15.500
85	4.250	13.943	32.800	32.802	0.945	0.370	2.881	20.800
86	4.300	14.107	62.610	62.618	1.238	1.320	1.977	23.700
87	4.350	14.271	19.270	19.283	1.222	2.110	6.337	21.700
88	4.400	14.436	26.070	26.077	1.117	1.050	4.284	34.700
89	4.450	14.600	37.070	37.077	0.471	1.180	1.270	34.600
90	4.500	14.764	7.050	7.050	0.327	-0.050	4.639	62.000
91	4.550	14.928	11.680	11.683	0.247	0.410	2.114	62.100
92	4.600	15.092	13.970	13.983	0.280	2.150	2.002	79.200
93	4.650	15.256	18.250	18.283	0.406	5.250	2.221	77.800
94	4.700	15.420	17.030	17.054	0.644	3.880	3.776	62.800
95	4.750	15.584	14.580	14.600	0.591	3.160	4.048	58.200
96	4.800	15.748	28.840	28.862	0.882	3.600	3.056	47.800
97	4.850	15.912	41.580	41.590	0.613	1.680	1.474	39.000
98	4.900	16.076	47.350	47.364	0.640	2.270	1.351	35.500
99	4.950	16.240	63.170	63.180	0.480	1.590	0.760	29.100
100	5.000	16.404	72.390	72.395	0.820	0.790	1.133	23.800
101	5.050	16.568	147.010	147.015	1.270	0.770	0.864	27.200
102	5.100	16.732	69.020	69.018	1.364	-0.280	1.976	32.200
103	5.150	16.896	56.440	56.439	1.765	-0.180	3.127	46.200
104	5.200	17.060	58.190	58.190	1.389	0.010	2.387	54.600
105	5.250	17.224	31.520	31.522	1.188	0.380	3.769	68.900
106	5.300	17.388	23.450	23.439	0.758	-1.710	3.234	67.700
107	5.350	17.552	24.780	24.777	0.538	-0.490	2.171	74.600
108	5.400	17.716	49.020	49.026	0.765	0.980	1.560	78.600
109	5.450	17.880	73.900	73.888	0.798	-1.950	1.080	77.000
110	5.500	18.044	60.160	60.111	0.939	-7.830	1.562	63.700
111	5.550	18.208	51.140	51.077	0.907	-10.150	1.776	70.000
112	5.600	18.372	36.830	36.760	1.010	-11.140	2.748	56.200
113	5.650	18.537	30.810	30.738	0.936	-11.560	3.045	44.100
114	5.700	18.701	26.240	26.188	0.816	-8.300	3.116	32.200
115	5.750	18.865	38.440	38.440	0.754	0.080	1.961	32.600
116	5.800	19.029	40.600	40.601	1.093	0.100	2.692	21.500
117	5.850	19.193	48.080	48.080	1.311	-0.050	2.727	15.900
118	5.900	19.357	45.520	45.526	1.385	1.000	3.042	14.200
119	5.950	19.521	51.970	51.946	1.571	-3.780	3.024	11.400
120	6.000	19.685	35.530	35.529	1.700	-0.120	4.785	14.600
121	6.050	19.849	52.510	52.488	1.612	-3.460	3.071	17.500
122	6.100	20.013	74.470	74.456	1.564	-2.290	2.101	15.700
123	6.150	20.177	44.450	44.441	1.489	-1.380	3.350	20.700
124	6.200	20.341	89.170	89.176	1.441	0.920	1.616	26.000
125	6.250	20.505	91.240	91.243	1.692	0.550	1.854	33.300
126	6.300	20.669	52.450	52.451	1.280	0.150	2.440	34.000
127	6.350	20.833	11.470	11.488	0.943	2.840	8.209	38.900
128	6.400	20.997	10.540	10.588	0.426	7.650	4.024	51.400
129	6.450	21.161	16.090	16.140	0.432	8.020	2.677	38.400

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	20.990	20.977	0.371	-2.140	1.769	28.500
131	6.550	21.489	20.810	20.800	0.247	-1.600	1.187	26.900
132	6.600	21.653	59.260	59.244	0.398	-2.490	0.672	22.700
133	6.650	21.817	109.730	109.721	0.518	-1.370	0.472	23.700
134	6.700	21.981	109.830	109.831	0.930	0.210	0.847	20.000
135	6.750	22.145	31.140	31.142	0.590	0.280	1.895	23.900
136	6.800	22.309	46.340	46.334	0.675	-0.970	1.457	22.500
137	6.850	22.473	54.200	54.205	0.584	0.820	1.077	22.000
138	6.900	22.638	18.870	18.872	0.774	0.390	4.101	19.500
139	6.950	22.802	21.320	21.319	0.453	-0.210	2.125	17.600
140	7.000	22.966	29.370	29.379	0.526	1.450	1.790	15.000
141	7.050	23.130	22.280	22.281	0.476	0.150	2.136	17.700
142	7.100	23.294	10.130	10.160	0.773	4.830	7.608	16.700
143	7.150	23.458	35.760	35.789	0.777	4.610	2.171	21.500
144	7.200	23.622	23.380	23.403	0.862	3.690	3.683	11.100
145	7.250	23.786	55.950	55.971	1.643	3.310	2.935	15.900
146	7.300	23.950	172.130	172.147	2.540	2.760	1.475	25.500
147	7.350	24.114	137.710	137.727	2.445	2.780	1.775	28.000
148	7.400	24.278	147.010	147.027	2.089	2.650	1.421	31.800
149	7.450	24.442	189.760	189.783	0.666	3.620	0.351	33.300
150	7.500	24.606	218.500	218.529	0.590	4.690	0.270	45.700
151	7.550	24.770	229.360	229.410	0.393	7.970	0.171	51.900
152	7.600	24.934	243.620	243.658	1.166	6.120	0.479	52.900
153	7.650	25.098	212.530	212.547	1.670	2.740	0.786	65.800
154	7.700	25.262	165.240	165.259	2.726	3.010	1.650	77.400
155	7.750	25.426	140.340	140.361	1.037	3.360	0.739	85.700
156	7.800	25.590	113.460	113.477	1.268	2.710	1.117	63.900
157	7.850	25.754	116.240	116.261	1.981	3.340	1.704	74.000
158	7.900	25.918	50.050	50.075	1.822	3.980	3.639	87.300
159	7.950	26.082	14.840	14.899	1.370	9.410	9.195	81.400
160	8.000	26.246	19.230	19.291	0.752	9.730	3.898	81.700
161	8.050	26.410	25.310	25.370	0.666	9.630	2.625	84.700
162	8.100	26.574	26.430	26.476	0.679	7.430	2.565	80.500
163	8.150	26.739	23.570	23.599	0.706	4.660	2.992	76.600
164	8.200	26.903	19.770	19.793	0.645	3.700	3.259	69.400
165	8.250	27.067	18.420	18.433	0.872	2.110	4.731	59.500
166	8.300	27.231	20.810	20.818	0.599	1.220	2.877	38.600
167	8.350	27.395	50.830	50.843	0.954	2.090	1.876	32.500
168	8.400	27.559	49.330	49.335	1.169	0.740	2.370	27.900
169	8.450	27.723	50.210	50.219	1.574	1.460	3.134	22.400
170	8.500	27.887	38.200	38.205	1.625	0.780	4.253	23.200
171	8.550	28.051	54.250	54.267	1.553	2.690	2.862	29.500
172	8.600	28.215	98.540	98.546	1.637	0.910	1.661	24.800
173	8.650	28.379	85.570	85.573	1.800	0.410	2.103	19.300
174	8.700	28.543	107.830	107.831	1.976	0.230	1.832	19.600
175	8.750	28.707	135.920	135.918	1.997	-0.330	1.469	27.800
176	8.800	28.871	118.000	117.998	1.693	-0.270	1.435	24.500
177	8.850	29.035	79.280	79.295	1.900	2.460	2.396	29.200
178	8.900	29.199	85.120	85.136	1.926	2.590	2.262	34.400
179	8.950	29.363	69.380	69.398	1.429	2.820	2.059	47.100
180	9.000	29.527	67.570	67.586	1.001	2.590	1.481	51.100
181	9.050	29.691	64.680	64.689	0.665	1.420	1.028	40.500
182	9.100	29.855	58.280	58.287	0.548	1.200	0.940	55.800
183	9.150	30.019	52.930	52.937	0.886	1.060	1.674	49.900
184	9.200	30.183	51.050	51.057	0.651	1.090	1.275	44.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	81.470	81.480	0.178	1.560	0.218	55.700
186	9.300	30.511	121.820	121.819	0.219	-0.210	0.180	56.100
187	9.350	30.675	110.210	110.213	0.245	0.550	0.222	58.700
188	9.400	30.840	106.810	106.816	0.095	1.010	0.089	56.300
189	9.450	31.004	93.440	93.440	0.123	0.060	0.132	62.700
190	9.500	31.168	67.150	67.147	0.152	-0.480	0.226	49.000
191	9.550	31.332	53.190	53.188	0.164	-0.260	0.308	53.400
192	9.600	31.496	40.520	40.522	0.333	0.300	0.822	59.600
193	9.650	31.660	44.990	45.000	0.138	1.680	0.307	59.700
194	9.700	31.824	59.950	59.963	0.290	2.120	0.484	53.800
195	9.750	31.988	59.120	59.133	0.270	2.040	0.457	45.100
196	9.800	32.152	59.610	59.627	0.103	2.690	0.173	63.500
197	9.850	32.316	41.330	41.344	0.198	2.280	0.479	71.300
198	9.900	32.480	40.220	40.230	0.246	1.580	0.611	78.000
199	9.950	32.644	39.410	39.420	0.106	1.630	0.269	74.300
200	10.000	32.808	58.060	58.069	0.174	1.510	0.300	77.500
201	10.050	32.972	57.820	57.827	0.203	1.180	0.351	86.400
202	10.100	33.136	43.910	43.918	0.652	1.320	1.485	67.000
203	10.150	33.300	62.990	63.001	0.463	1.790	0.735	85.000
204	10.200	33.464	44.960	44.975	0.673	2.360	1.496	87.400
205	10.250	33.628	49.570	49.587	0.475	2.750	0.958	82.200
206	10.300	33.792	33.170	33.186	0.211	2.540	0.636	80.700
207	10.350	33.956	34.400	34.416	0.409	2.550	1.188	82.000
208	10.400	34.120	66.300	66.318	0.440	2.830	0.663	73.200
209	10.450	34.284	103.380	103.398	0.419	2.880	0.405	54.700
210	10.500	34.448	107.270	107.289	0.345	3.000	0.322	54.900
211	10.550	34.612	137.510	137.530	0.144	3.210	0.105	64.400
212	10.600	34.776	143.440	143.456	0.252	2.510	0.176	52.300
213	10.650	34.941	132.720	132.727	0.386	1.170	0.291	55.200
214	10.700	35.105	133.570	133.576	0.266	1.040	0.199	62.400
215	10.750	35.269	131.850	131.856	0.249	1.040	0.189	55.200
216	10.800	35.433	133.970	133.978	0.367	1.320	0.274	63.900
217	10.850	35.597	107.260	107.271	0.436	1.740	0.406	62.100
218	10.900	35.761	98.240	98.249	0.277	1.520	0.282	68.300
219	10.950	35.925	90.960	90.968	0.146	1.250	0.160	78.100
220	11.000	36.089	73.880	73.886	0.135	1.000	0.183	0.000
221	11.050	36.253	62.080	62.088	0.254	1.240	0.409	0.000
222	11.100	36.417	57.080	57.089	0.360	1.420	0.631	0.000
223	11.150	36.581	63.380	63.393	0.300	2.140	0.473	0.000
224	11.200	36.745	98.770	98.785	0.068	2.330	0.069	0.000
225	11.250	36.909	96.140	96.156	0.178	2.590	0.185	0.000
226	11.300	37.073	81.620	81.635	0.197	2.430	0.241	0.000
227	11.350	37.237	69.410	69.422	0.217	1.990	0.313	0.000
228	11.400	37.401	58.710	58.724	0.198	2.180	0.337	0.000
229	11.450	37.565	50.590	50.602	0.176	1.900	0.348	0.000
230	11.500	37.729	67.200	67.211	0.138	1.690	0.205	0.000
231	11.550	37.893	62.720	62.728	0.251	1.220	0.400	0.000
232	11.600	38.057	41.050	41.056	0.581	0.940	1.415	0.000
233	11.650	38.221	100.580	100.589	0.982	1.390	0.976	0.000
234	11.700	38.385	105.860	105.871	1.787	1.750	1.688	0.000
235	11.750	38.549	245.400	245.422	0.000	3.510	0.000	0.000
236	11.800	38.713	318.460	318.508	0.000	7.630	0.000	0.000

ConeTec CPT Interpretations	
Interpretation Output - SCREENzW Version 1.24 - Jun 19 2013	
DAS Version: W47	
Interpretation Format:	Basic Parameters at Every Point (BSC)
Run ID:	1397221672
Job No:	13-53075
Client:	Feezor Engineering
Project:	Bridgeton Landfill
Facility:	Bridgeton Landfill
Sounding ID:	GCPT-119
Cone ID:	268:T1500F15U500
Operator:	DC/JT/YB
CPT Date:	Nov-15-2013
CPT Time:	16:05
CPT File:	13-53075_GP119.COR
Tip Units:	tsf
Sleeve Units:	tsf
PP Units:	ft
Tip Conversion to bar:	0.9580
Sleeve Conversion to bar:	0.9580
PP Conversion to meters:	0.3050
Col 5 (Extra Module) Parameter	Gamma
Col 5 (Extra Module) Units	cps
Coord Source:	
Coord Type:	
UTM Zone:	N/A
Easting / Long:	722149.019
Northing / Lat:	4294300.164
Elevation:	145.757
Tip Net Area Ratio:	0.80
Averaging Interval:	Every Point

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
1	0.050	0.164	4.710	4.717	0.002	1.180	0.042	27.800
2	0.100	0.328	13.620	13.624	0.015	0.600	0.110	31.500
3	0.150	0.492	27.960	27.965	0.068	0.830	0.243	35.200
4	0.200	0.656	35.470	35.476	0.090	0.970	0.254	44.400
5	0.250	0.820	37.720	37.729	0.115	1.430	0.305	51.700
6	0.300	0.984	43.300	43.300	0.252	0.010	0.582	61.500
7	0.350	1.148	57.960	57.973	0.434	2.130	0.749	75.100
8	0.400	1.312	42.340	42.361	0.640	3.440	1.511	87.500
9	0.450	1.476	26.490	26.519	0.842	4.620	3.175	91.400
10	0.500	1.640	23.350	23.374	0.814	3.890	3.482	92.800
11	0.550	1.804	26.500	26.515	0.826	2.390	3.115	85.400
12	0.600	1.968	30.020	30.023	0.816	0.520	2.718	90.000
13	0.650	2.133	43.970	43.978	2.513	1.340	5.714	83.500
14	0.700	2.297	69.670	69.679	2.101	1.410	3.015	75.200
15	0.750	2.461	366.380	366.382	3.639	0.360	0.993	81.700
16	0.800	2.625	356.800	356.822	4.050	3.490	1.135	71.200
17	0.850	2.789	93.860	93.927	5.311	10.660	5.654	67.000
18	0.900	2.953	116.520	116.570	3.655	8.010	3.135	60.900
19	0.950	3.117	126.810	126.857	4.454	7.560	3.511	71.100

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
20	1.000	3.281	145.110	145.159	3.016	7.890	2.078	54.400
21	1.050	3.445	310.710	310.767	3.505	9.130	1.128	60.800
22	1.100	3.609	162.100	162.159	3.718	9.480	2.293	45.600
23	1.150	3.773	177.210	177.265	3.600	8.830	2.031	46.000
24	1.200	3.937	101.340	101.379	0.978	6.320	0.965	58.000
25	1.250	4.101	80.560	80.605	1.302	7.280	1.615	57.500
26	1.300	4.265	82.900	82.946	1.289	7.290	1.554	49.900
27	1.350	4.429	66.140	66.176	1.578	5.820	2.385	75.800
28	1.400	4.593	47.050	47.087	1.553	5.980	3.298	66.900
29	1.450	4.757	25.090	25.135	1.246	7.230	4.957	75.100
30	1.500	4.921	17.700	17.743	0.748	6.860	4.216	81.400
31	1.550	5.085	16.250	16.302	0.576	8.350	3.533	78.200
32	1.600	5.249	28.520	28.612	0.555	14.740	1.940	66.000
33	1.650	5.413	22.970	23.022	0.544	8.400	2.363	86.200
34	1.700	5.577	19.970	20.019	0.534	7.830	2.667	81.600
35	1.750	5.741	17.920	17.968	0.494	7.700	2.749	82.400
36	1.800	5.905	16.370	16.417	0.430	7.540	2.619	85.500
37	1.850	6.069	27.660	27.712	0.434	8.290	1.566	94.000
38	1.900	6.234	35.760	35.809	0.609	7.860	1.701	84.500
39	1.950	6.398	39.950	39.998	0.815	7.630	2.038	82.800
40	2.000	6.562	46.520	46.566	0.973	7.370	2.090	93.200
41	2.050	6.726	24.830	24.873	0.946	6.950	3.803	91.600
42	2.100	6.890	20.020	20.064	0.760	6.980	3.788	78.500
43	2.150	7.054	19.300	19.346	0.893	7.360	4.616	67.700
44	2.200	7.218	17.480	17.527	0.546	7.550	3.115	59.400
45	2.250	7.382	33.840	33.874	0.490	5.480	1.447	67.100
46	2.300	7.546	45.100	45.134	1.116	5.470	2.473	68.800
47	2.350	7.710	32.230	32.264	0.969	5.500	3.003	67.900
48	2.400	7.874	20.020	20.068	0.811	7.620	4.041	67.200
49	2.450	8.038	13.000	13.047	0.487	7.530	3.733	94.900
50	2.500	8.202	13.720	13.772	0.404	8.300	2.934	80.700
51	2.550	8.366	22.590	22.646	0.449	8.970	1.983	92.400
52	2.600	8.530	31.630	31.687	0.484	9.100	1.527	92.100
53	2.650	8.694	32.490	32.542	0.482	8.400	1.481	96.800
54	2.700	8.858	29.480	29.528	0.451	7.630	1.527	86.800
55	2.750	9.022	28.540	28.584	0.415	7.100	1.452	67.400
56	2.800	9.186	32.300	32.340	0.479	6.360	1.481	80.700
57	2.850	9.350	27.890	27.925	0.526	5.560	1.884	66.700
58	2.900	9.514	21.440	21.471	0.512	5.040	2.385	50.300
59	2.950	9.678	16.680	16.710	0.593	4.740	3.549	44.800
60	3.000	9.842	37.410	37.427	0.434	2.770	1.160	38.600
61	3.050	10.006	50.650	50.674	0.788	3.910	1.555	53.800
62	3.100	10.170	77.270	77.302	1.266	5.180	1.638	32.800
63	3.150	10.335	49.760	49.817	1.167	9.120	2.343	45.400
64	3.200	10.499	28.170	28.226	0.825	8.910	2.923	45.100
65	3.250	10.663	26.350	26.405	0.541	8.740	2.049	57.300
66	3.300	10.827	15.320	15.366	0.269	7.350	1.751	43.800
67	3.350	10.991	11.220	11.261	0.221	6.610	1.962	37.300
68	3.400	11.155	8.280	8.319	0.172	6.220	2.068	36.900
69	3.450	11.319	23.380	23.416	0.631	5.830	2.695	29.400
70	3.500	11.483	76.870	76.905	0.972	5.650	1.264	27.500
71	3.550	11.647	31.680	31.743	1.054	10.040	3.320	28.900
72	3.600	11.811	23.350	23.489	0.986	22.230	4.198	22.300
73	3.650	11.975	24.990	25.087	0.899	15.510	3.584	25.900
74	3.700	12.139	22.200	22.251	0.862	8.150	3.874	29.800

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
75	3.750	12.303	21.570	21.622	0.807	8.320	3.732	40.800
76	3.800	12.467	8.060	8.094	0.601	5.370	7.426	60.100
77	3.850	12.631	7.380	7.453	0.400	11.700	5.367	58.100
78	3.900	12.795	25.710	25.823	0.410	18.120	1.588	63.800
79	3.950	12.959	26.210	26.286	0.381	12.100	1.449	29.000
80	4.000	13.123	38.370	38.417	0.513	7.550	1.335	27.500
81	4.050	13.287	25.200	25.251	0.610	8.170	2.416	24.800
82	4.100	13.451	16.310	16.345	0.815	5.680	4.986	27.200
83	4.150	13.615	21.850	21.890	0.689	6.360	3.148	16.800
84	4.200	13.779	29.190	29.238	0.933	7.710	3.191	16.400
85	4.250	13.943	40.310	40.336	1.078	4.140	2.673	11.600
86	4.300	14.107	71.110	71.137	1.479	4.270	2.079	7.400
87	4.350	14.271	51.720	51.747	1.852	4.330	3.579	10.900
88	4.400	14.436	30.160	30.187	1.356	4.310	4.492	14.300
89	4.450	14.600	43.530	43.561	1.034	4.950	2.374	13.300
90	4.500	14.764	50.140	50.168	0.725	4.510	1.445	13.300
91	4.550	14.928	30.960	30.986	0.700	4.230	2.259	16.100
92	4.600	15.092	25.410	25.469	0.739	9.420	2.902	16.500
93	4.650	15.256	22.590	22.645	0.678	8.780	2.994	22.900
94	4.700	15.420	19.400	19.470	0.282	11.150	1.448	30.800
95	4.750	15.584	11.690	11.764	0.219	11.920	1.862	18.600
96	4.800	15.748	3.210	3.261	0.261	8.180	8.004	32.000
97	4.850	15.912	25.700	25.755	0.562	8.750	2.182	44.400
98	4.900	16.076	45.170	45.227	0.736	9.060	1.627	62.000
99	4.950	16.240	66.510	66.554	0.972	7.110	1.460	78.900
100	5.000	16.404	48.690	48.726	1.121	5.710	2.301	76.100
101	5.050	16.568	39.720	39.751	1.106	4.960	2.782	85.000
102	5.100	16.732	36.390	36.424	1.120	5.510	3.075	76.700
103	5.150	16.896	41.060	41.110	1.133	7.940	2.756	97.200
104	5.200	17.060	40.420	40.466	1.238	7.320	3.059	75.600
105	5.250	17.224	31.350	31.391	1.313	6.630	4.183	80.100
106	5.300	17.388	22.170	22.204	1.361	5.520	6.129	60.200
107	5.350	17.552	18.230	18.257	0.799	4.270	4.376	37.500
108	5.400	17.716	31.390	31.416	0.820	4.120	2.610	41.300
109	5.450	17.880	68.720	68.745	0.699	3.940	1.017	35.100
110	5.500	18.044	46.850	46.882	0.749	5.130	1.598	28.300
111	5.550	18.208	40.950	40.978	0.604	4.440	1.474	30.800
112	5.600	18.372	44.840	44.866	1.937	4.090	4.317	26.200
113	5.650	18.537	64.960	64.985	2.456	4.040	3.779	43.000
114	5.700	18.701	120.830	120.855	2.472	4.050	2.045	44.400
115	5.750	18.865	38.460	38.489	1.696	4.640	4.406	28.000
116	5.800	19.029	66.900	66.948	3.165	7.680	4.728	38.300
117	5.850	19.193	130.500	130.547	2.392	7.490	1.832	41.600
118	5.900	19.357	112.780	112.823	2.817	6.860	2.497	49.500
119	5.950	19.521	56.050	56.098	2.313	7.620	4.123	57.800
120	6.000	19.685	25.200	25.246	1.728	7.340	6.845	68.300
121	6.050	19.849	24.440	24.499	0.919	9.440	3.751	76.400
122	6.100	20.013	26.040	26.101	0.715	9.720	2.739	83.600
123	6.150	20.177	25.180	25.237	0.708	9.100	2.805	89.000
124	6.200	20.341	22.240	22.293	0.684	8.420	3.068	81.000
125	6.250	20.505	18.160	18.211	0.471	8.200	2.586	70.800
126	6.300	20.669	15.090	15.139	0.408	7.870	2.695	87.400
127	6.350	20.833	14.910	14.960	0.397	8.080	2.654	79.000
128	6.400	20.997	13.310	13.357	0.447	7.450	3.347	59.600
129	6.450	21.161	13.530	13.577	0.594	7.600	4.375	50.600

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
130	6.500	21.325	35.050	35.103	0.701	8.530	1.997	31.600
131	6.550	21.489	30.510	30.568	1.092	9.240	3.572	37.000
132	6.600	21.653	37.070	37.150	1.347	12.850	3.626	34.400
133	6.650	21.817	63.180	63.267	1.233	13.950	1.949	26.900
134	6.700	21.981	49.030	49.114	1.142	13.520	2.325	32.000
135	6.750	22.145	8.300	8.361	0.443	9.830	5.298	31.500
136	6.800	22.309	22.730	22.784	0.259	8.610	1.137	40.000
137	6.850	22.473	50.920	50.967	0.236	7.540	0.463	62.300
138	6.900	22.638	26.240	26.292	0.373	8.290	1.419	60.400
139	6.950	22.802	16.480	16.536	0.538	8.920	3.254	68.600
140	7.000	22.966	23.110	23.164	0.537	8.600	2.318	62.800
141	7.050	23.130	18.020	18.077	0.576	9.210	3.186	85.600
142	7.100	23.294	38.000	38.082	0.730	13.120	1.917	71.300
143	7.150	23.458	62.440	62.513	0.932	11.760	1.491	72.100
144	7.200	23.622	69.710	69.782	1.258	11.600	1.803	68.900
145	7.250	23.786	70.920	70.989	1.273	11.040	1.793	75.900
146	7.300	23.950	72.580	72.644	1.187	10.210	1.634	83.500
147	7.350	24.114	71.090	71.147	1.136	9.170	1.597	72.800
148	7.400	24.278	62.950	63.003	1.059	8.540	1.681	60.600
149	7.450	24.442	46.300	46.346	1.376	7.390	2.969	59.700
150	7.500	24.606	46.260	46.303	1.198	6.850	2.587	48.200
151	7.550	24.770	50.140	50.185	1.277	7.190	2.545	49.100
152	7.600	24.934	61.140	61.191	1.643	8.120	2.685	32.600
153	7.650	25.098	49.890	49.942	1.133	8.360	2.269	27.400
154	7.700	25.262	91.520	91.573	1.453	8.470	1.587	23.900
155	7.750	25.426	140.260	140.302	1.622	6.750	1.156	22.000
156	7.800	25.590	168.280	168.302	1.714	3.530	1.018	26.100
157	7.850	25.754	92.830	92.853	1.738	3.760	1.872	33.000
158	7.900	25.918	34.060	34.095	1.658	5.670	4.863	26.800
159	7.950	26.082	19.470	19.507	0.704	6.000	3.609	32.200
160	8.000	26.246	29.120	29.171	0.487	8.160	1.669	27.400
161	8.050	26.410	39.980	40.019	0.500	6.320	1.249	30.800
162	8.100	26.574	57.170	57.196	0.626	4.090	1.094	40.600
163	8.150	26.739	57.940	57.977	0.743	5.900	1.282	42.300
164	8.200	26.903	30.180	30.210	0.793	4.760	2.625	54.800
165	8.250	27.067	20.460	20.480	0.875	3.140	4.273	56.300
166	8.300	27.231	22.840	22.859	0.654	3.030	2.861	74.100
167	8.350	27.395	20.330	20.356	0.462	4.120	2.270	74.000
168	8.400	27.559	14.620	14.662	0.405	6.750	2.762	68.900
169	8.450	27.723	18.110	18.153	0.330	6.920	1.818	73.900
170	8.500	27.887	18.030	18.076	0.325	7.380	1.798	59.800
171	8.550	28.051	21.480	21.526	0.388	7.380	1.802	64.900
172	8.600	28.215	27.350	27.397	0.512	7.580	1.869	46.600
173	8.650	28.379	34.200	34.252	0.706	8.310	2.061	50.100
174	8.700	28.543	31.810	31.863	1.022	8.490	3.207	58.300
175	8.750	28.707	34.410	34.464	1.053	8.680	3.055	60.500
176	8.800	28.871	31.730	31.784	1.093	8.660	3.439	68.200
177	8.850	29.035	34.190	34.243	1.137	8.480	3.320	69.100
178	8.900	29.199	48.770	48.819	1.437	7.830	2.944	61.500
179	8.950	29.363	55.310	55.360	1.497	8.070	2.704	72.500
180	9.000	29.527	61.920	61.972	1.587	8.360	2.561	58.600
181	9.050	29.691	46.620	46.667	1.253	7.470	2.685	38.200
182	9.100	29.855	42.150	42.191	0.916	6.580	2.171	40.800
183	9.150	30.019	40.880	40.917	0.972	5.940	2.376	29.300
184	9.200	30.183	32.770	32.796	1.118	4.090	3.409	27.300

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
185	9.250	30.347	31.870	31.897	1.045	4.390	3.276	31.800
186	9.300	30.511	36.550	36.575	1.124	4.020	3.073	36.700
187	9.350	30.675	38.450	38.476	1.075	4.090	2.794	37.200
188	9.400	30.840	30.340	30.389	0.953	7.890	3.136	36.200
189	9.450	31.004	26.960	27.005	1.076	7.210	3.984	40.000
190	9.500	31.168	25.990	26.036	0.646	7.300	2.481	38.500
191	9.550	31.332	40.050	40.099	1.032	7.810	2.574	38.500
192	9.600	31.496	43.510	43.545	0.958	5.540	2.200	30.600
193	9.650	31.660	51.160	51.192	0.999	5.110	1.951	22.900
194	9.700	31.824	50.950	50.973	0.963	3.620	1.889	21.100
195	9.750	31.988	37.590	37.610	0.960	3.180	2.553	24.300
196	9.800	32.152	22.550	22.574	0.809	3.900	3.584	20.200
197	9.850	32.316	47.670	47.696	0.915	4.090	1.918	16.500
198	9.900	32.480	73.250	73.275	1.258	4.070	1.717	21.700
199	9.950	32.644	49.780	49.822	1.333	6.780	2.676	31.200
200	10.000	32.808	40.680	40.731	1.247	8.120	3.062	27.900
201	10.050	32.972	80.540	80.585	1.485	7.220	1.843	26.200
202	10.100	33.136	60.160	60.206	1.893	7.420	3.144	36.600
203	10.150	33.300	50.580	50.631	1.989	8.190	3.928	42.300
204	10.200	33.464	34.110	34.171	1.303	9.830	3.813	66.500
205	10.250	33.628	24.740	24.803	0.899	10.080	3.625	67.500
206	10.300	33.792	22.220	22.289	0.607	11.020	2.723	63.500
207	10.350	33.956	21.960	22.033	0.757	11.770	3.436	76.000
208	10.400	34.120	29.810	29.887	0.837	12.340	2.801	59.100
209	10.450	34.284	18.980	19.056	0.923	12.240	4.844	52.000
210	10.500	34.448	17.710	17.787	0.757	12.350	4.256	43.700
211	10.550	34.612	37.310	37.384	0.956	11.890	2.557	26.800
212	10.600	34.776	97.870	97.930	1.389	9.660	1.418	21.500
213	10.650	34.941	46.940	47.006	1.360	10.630	2.893	26.600
214	10.700	35.105	42.400	42.461	1.479	9.710	3.483	33.800
215	10.750	35.269	64.600	64.655	1.229	8.760	1.901	35.700
216	10.800	35.433	26.710	26.763	1.307	8.540	4.884	41.500
217	10.850	35.597	20.080	20.139	0.868	9.510	4.310	54.300
218	10.900	35.761	25.980	26.043	0.821	10.120	3.152	66.300
219	10.950	35.925	66.840	66.902	0.764	9.880	1.142	64.600
220	11.000	36.089	47.150	47.208	1.380	9.260	2.923	65.600
221	11.050	36.253	56.760	56.809	1.498	7.780	2.637	52.600
222	11.100	36.417	41.370	41.432	1.749	9.980	4.221	53.100
223	11.150	36.581	41.060	41.126	1.281	10.540	3.115	49.700
224	11.200	36.745	60.550	60.622	2.381	11.580	3.928	36.000
225	11.250	36.909	77.920	77.995	2.218	12.030	2.844	41.700
226	11.300	37.073	46.580	46.656	2.245	12.200	4.812	32.800
227	11.350	37.237	37.040	37.109	1.310	11.090	3.530	37.300
228	11.400	37.401	47.460	47.513	1.777	8.560	3.740	34.800
229	11.450	37.565	72.260	72.334	1.731	11.840	2.393	26.800
230	11.500	37.729	76.300	76.375	1.349	12.010	1.766	22.100
231	11.550	37.893	63.780	63.854	1.440	11.920	2.255	15.300
232	11.600	38.057	72.630	72.672	1.437	6.710	1.977	17.900
233	11.650	38.221	43.210	43.265	1.407	8.780	3.252	20.500
234	11.700	38.385	30.300	30.362	1.697	10.010	5.589	22.400
235	11.750	38.549	46.450	46.529	1.203	12.710	2.585	28.300
236	11.800	38.713	107.100	107.192	1.210	14.800	1.129	42.300
237	11.850	38.877	83.480	83.570	1.297	14.360	1.552	72.400
238	11.900	39.042	42.230	42.321	1.118	14.650	2.642	84.700
239	11.950	39.206	20.560	20.655	0.911	15.280	4.410	75.700

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
240	12.000	39.370	16.720	16.823	0.821	16.510	4.880	93.300
241	12.050	39.534	15.480	15.594	0.687	18.270	4.406	98.900
242	12.100	39.698	14.880	14.999	0.710	19.090	4.734	100.200
243	12.150	39.862	25.020	25.141	0.637	19.350	2.534	81.500
244	12.200	40.026	16.770	16.890	0.652	19.290	3.860	101.900
245	12.250	40.190	19.570	19.692	0.768	19.490	3.900	78.100
246	12.300	40.354	18.150	18.273	0.804	19.720	4.400	73.300
247	12.350	40.518	41.230	41.357	0.976	20.330	2.360	58.800
248	12.400	40.682	75.560	75.698	1.408	22.150	1.860	51.200
249	12.450	40.846	69.140	69.276	1.530	21.760	2.209	64.400
250	12.500	41.010	45.090	45.221	1.105	20.950	2.444	66.000
251	12.550	41.174	27.730	27.856	0.735	20.110	2.639	40.800
252	12.600	41.338	9.220	9.308	0.668	14.150	7.176	39.900
253	12.650	41.502	25.420	25.503	0.643	13.320	2.521	38.200
254	12.700	41.666	31.970	32.041	1.110	11.410	3.464	32.500
255	12.750	41.830	63.160	63.228	1.445	10.870	2.285	36.900
256	12.800	41.994	89.230	89.314	2.052	13.390	2.298	41.100
257	12.850	42.158	83.220	83.309	2.326	14.240	2.792	40.800
258	12.900	42.322	37.690	37.782	2.102	14.670	5.564	64.700
259	12.950	42.486	31.320	31.439	1.406	19.090	4.472	49.500
260	13.000	42.650	53.180	53.309	1.254	20.680	2.352	48.500
261	13.050	42.814	60.450	60.574	1.541	19.910	2.544	34.700
262	13.100	42.978	64.960	65.072	2.121	17.870	3.259	23.600
263	13.150	43.143	57.300	57.413	1.835	18.050	3.196	19.700
264	13.200	43.307	64.160	64.278	1.929	18.970	3.001	16.800
265	13.250	43.471	53.880	53.991	1.486	17.860	2.752	17.600
266	13.300	43.635	40.200	40.312	1.581	17.960	3.922	14.600
267	13.350	43.799	77.450	77.563	1.958	18.150	2.524	16.300
268	13.400	43.963	53.610	53.722	2.246	17.970	4.181	19.400
269	13.450	44.127	57.760	57.889	2.161	20.650	3.733	21.700
270	13.500	44.291	68.910	69.039	2.390	20.670	3.462	36.000
271	13.550	44.455	106.380	106.512	2.410	21.140	2.263	34.000
272	13.600	44.619	64.450	64.577	2.241	20.290	3.470	51.900
273	13.650	44.783	47.350	47.472	1.500	19.600	3.160	78.900
274	13.700	44.947	30.280	30.399	2.126	19.010	6.994	101.200
275	13.750	45.111	38.660	38.774	2.021	18.200	5.212	159.400
276	13.800	45.275	173.120	173.235	0.948	18.360	0.547	202.700
277	13.850	45.439	255.230	255.347	1.797	18.820	0.704	226.900
278	13.900	45.603	305.700	305.821	3.257	19.310	1.065	243.600
279	13.950	45.767	259.670	259.782	2.288	18.000	0.881	231.300
280	14.000	45.931	176.730	176.842	3.252	18.020	1.839	161.700
281	14.050	46.095	134.770	134.877	3.694	17.090	2.739	128.400
282	14.100	46.259	90.630	90.737	3.867	17.070	4.262	92.800
283	14.150	46.423	65.130	65.264	4.088	21.440	6.264	59.900
284	14.200	46.587	64.210	64.355	3.512	23.290	5.457	54.400
285	14.250	46.751	64.350	64.504	2.634	24.660	4.083	40.600
286	14.300	46.915	72.070	72.217	2.183	23.490	3.023	26.400
287	14.350	47.079	66.150	66.279	2.022	20.670	3.051	18.100
288	14.400	47.244	46.240	46.371	2.445	21.020	5.273	22.100
289	14.450	47.408	41.710	41.875	2.271	26.390	5.423	0.000
290	14.500	47.572	126.650	126.826	1.226	28.250	0.967	0.000
291	14.550	47.736	210.630	210.804	2.509	27.880	1.190	0.000
292	14.600	47.900	121.900	122.023	3.106	19.740	2.545	0.000
293	14.650	48.064	135.920	136.041	4.297	19.320	3.159	0.000
294	14.700	48.228	184.720	184.833	2.990	18.180	1.618	0.000

Layer	Depth	Depth	qc	qt	fs	u	Rf	Gamma
	m	ft	tsf	tsf	tsf	ft	%	cps
295	14.750	48.392	150.400	150.517	2.384	18.770	1.584	0.000
296	14.800	48.556	53.840	53.941	1.502	16.250	2.785	0.000
297	14.850	48.720	34.700	34.773	1.131	11.700	3.253	0.000
298	14.900	48.884	26.410	26.483	1.059	11.760	3.999	0.000
299	14.950	49.048	21.380	21.463	0.753	13.370	3.508	0.000
300	15.000	49.212	59.100	59.183	1.033	13.230	1.745	0.000
301	15.050	49.376	156.750	156.835	1.700	13.580	1.084	0.000
302	15.100	49.540	276.780	276.871	2.752	14.520	0.994	0.000
303	15.150	49.704	295.880	295.974	0.000	15.040	0.000	0.000
304	15.200	49.868	343.110	343.204	0.000	15.100	0.000	0.000

Sub-Appendix B.2

Pore Water Dissipation Test Data from ConeTec

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP1-1A.PPD
Job Number:	13-53075
Sounding ID:	GCPT-1-1A
Location:	Bridgeton Landfill
Sounding Date:	25-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 274
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	67
Longest Trace - Depth (m):	12.100
Longest Trace - Depth (ft):	39.698
Longest Trace - Duration (s):	330.0
Longest Trace - Duration (min):	5.50
Longest Trace - Duration (hrs):	0.092
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 67
		Depth (m)	12.100
		Depth (ft)	39.698
0.0	0.00		11.15
5.0	0.08		9.00
10.0	0.17		9.06
15.0	0.25		9.14
20.0	0.33		8.74
25.0	0.42		8.45
30.0	0.50		8.28
35.0	0.58		8.14
40.0	0.67		7.58
45.0	0.75		7.19
50.0	0.83		6.88
55.0	0.92		6.63
60.0	1.00		6.15
65.0	1.08		5.96
70.0	1.17		5.59
75.0	1.25		5.23
80.0	1.33		4.98
85.0	1.42		4.71
90.0	1.50		4.47
95.0	1.58		4.15
100.0	1.67		3.92
105.0	1.75		3.63
110.0	1.83		3.34
115.0	1.92		3.04
120.0	2.00		2.98
125.0	2.08		2.79
130.0	2.17		2.63

Time (s)	Time (min)	Trace No. Trace Points	1 67
		Depth (m)	12.100
		Depth (ft)	39.698
135.0	2.25		2.38
140.0	2.33		2.13
145.0	2.42		1.91
150.0	2.50		1.81
155.0	2.58		1.72
160.0	2.67		1.48
165.0	2.75		1.36
170.0	2.83		1.29
175.0	2.92		1.04
180.0	3.00		1.06
185.0	3.08		0.99
190.0	3.17		0.78
195.0	3.25		0.59
200.0	3.33		0.60
205.0	3.42		0.43
210.0	3.50		0.33
215.0	3.58		0.29
220.0	3.67		0.11
225.0	3.75		0.12
230.0	3.83		0.01
235.0	3.92		-0.08
240.0	4.00		-0.13
245.0	4.08		-0.27
250.0	4.17		-0.25
255.0	4.25		-0.31
260.0	4.33		-0.55
265.0	4.42		-0.51
270.0	4.50		-0.65
275.0	4.58		-0.67
280.0	4.67		-0.69
285.0	4.75		-0.61
290.0	4.83		-0.76
295.0	4.92		-0.85
300.0	5.00		-0.75
305.0	5.08		-0.95
310.0	5.17		-0.95
315.0	5.25		-0.99
320.0	5.33		-1.07
325.0	5.42		-1.00
330.0	5.50		-0.99

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP1-2.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-1-2		
Location:	Bridgeton Landfill		
Sounding Date:	25-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	3	Of	66
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	73		
Longest Trace - Depth (m):	9.150		
Longest Trace - Depth (ft):	30.019		
Longest Trace - Duration (s):	360.0		
Longest Trace - Duration (min):	6.00		
Longest Trace - Duration (hrs):	0.100		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 73	3 62
		Depth (m)	6.400	9.150	9.600
		Depth (ft)	20.997	30.019	31.496
0.0	0.00		23.01	14.67	20.24
5.0	0.08		46.69	17.94	20.30
10.0	0.17		55.73	22.34	19.58
15.0	0.25		59.04	25.43	18.85
20.0	0.33		60.51	28.38	18.43
25.0	0.42		61.10	30.48	17.93
30.0	0.50		61.49	32.15	17.58
35.0	0.58		61.56	33.26	17.26
40.0	0.67		61.38	33.87	17.40
45.0	0.75		61.18	34.18	17.22
50.0	0.83		60.54	34.42	16.98
55.0	0.92		59.75	34.51	16.61
60.0	1.00		59.17	34.53	16.26
65.0	1.08		58.36	32.27	16.12
70.0	1.17		57.53	33.15	15.97
75.0	1.25		56.60	33.45	15.68
80.0	1.33		55.62	33.29	15.60
85.0	1.42		54.60	33.23	15.48
90.0	1.50		53.64	33.05	15.41
95.0	1.58		52.66	32.75	15.41
100.0	1.67		51.69	32.43	15.17
105.0	1.75		50.88	32.46	15.16
110.0	1.83		49.84	31.99	15.03
115.0	1.92		48.97	31.97	14.97
120.0	2.00		48.22	31.61	14.93
125.0	2.08		47.20	31.46	14.85
130.0	2.17		46.35	31.32	14.76

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 73	3 62
		Depth (m)	6.400	9.150	9.600
		Depth (ft)	20.997	30.019	31.496
135.0	2.25		45.72	30.89	14.75
140.0	2.33		44.98	30.64	14.82
145.0	2.42		44.23	30.37	14.78
150.0	2.50		43.52	30.23	14.61
155.0	2.58		42.79	29.98	14.60
160.0	2.67		42.29	29.87	14.64
165.0	2.75		41.51	29.69	14.61
170.0	2.83		41.05	29.54	14.61
175.0	2.92		40.34	29.16	14.48
180.0	3.00		39.90	28.94	14.52
185.0	3.08		39.32	28.78	14.50
190.0	3.17		38.74	28.42	14.46
195.0	3.25		38.18	28.36	14.37
200.0	3.33		37.81	28.24	14.48
205.0	3.42		37.34	27.89	14.48
210.0	3.50		36.90	27.83	14.39
215.0	3.58		36.36	27.65	14.42
220.0	3.67		36.15	27.41	14.53
225.0	3.75		35.70	27.44	14.48
230.0	3.83		35.33	27.12	14.48
235.0	3.92		36.54	26.90	14.45
240.0	4.00		36.23	26.90	14.41
245.0	4.08		35.79	26.63	14.54
250.0	4.17		35.21	26.29	14.46
255.0	4.25		34.72	26.48	14.53
260.0	4.33		34.35	26.00	14.47
265.0	4.42		33.90	26.09	14.51
270.0	4.50		33.47	25.68	14.51
275.0	4.58		33.14	25.59	14.55
280.0	4.67		32.76	25.31	14.62
285.0	4.75		32.42	25.17	14.65
290.0	4.83		32.11	24.98	14.60
295.0	4.92		31.81	24.87	14.69
300.0	5.00		31.31	24.68	14.67
305.0	5.08			24.75	14.73
310.0	5.17			24.49	
315.0	5.25			24.16	
320.0	5.33			24.07	
325.0	5.42			23.92	
330.0	5.50			23.93	
335.0	5.58			23.63	
340.0	5.67			23.41	
345.0	5.75			23.39	
350.0	5.83			23.14	
355.0	5.92			23.00	
360.0	6.00			22.95	

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP2-1.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-2-1		
Location:	Bridgeton Landfill		
Sounding Date:	24-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	178
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	61		
Longest Trace - Depth (m):	15.500		
Longest Trace - Depth (ft):	50.852		
Longest Trace - Duration (s):	300.0		
Longest Trace - Duration (min):	5.00		
Longest Trace - Duration (hrs):	0.083		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.100	15.500
		Depth (ft)	20.013	50.852
0.0	0.00		10.43	8.68
5.0	0.08		9.61	8.54
10.0	0.17		9.18	8.47
15.0	0.25		8.72	8.33
20.0	0.33		8.40	8.36
25.0	0.42		8.15	8.20
30.0	0.50		7.85	8.22
35.0	0.58		7.44	8.12
40.0	0.67		7.23	8.14
45.0	0.75		7.07	8.02
50.0	0.83		6.94	8.04
55.0	0.92		6.63	7.90
60.0	1.00		6.49	7.80
65.0	1.08		6.32	7.85
70.0	1.17		6.05	7.77
75.0	1.25		5.97	7.76
80.0	1.33		5.88	7.68
85.0	1.42		5.70	7.60
90.0	1.50		5.52	7.57
95.0	1.58		5.45	7.51
100.0	1.67		5.39	7.46
105.0	1.75		5.24	7.38
110.0	1.83		5.03	7.39
115.0	1.92		4.99	7.30
120.0	2.00		4.86	7.30
125.0	2.08		4.80	7.30
130.0	2.17		4.57	7.27

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.100	15.500
		Depth (ft)	20.013	50.852
135.0	2.25		4.59	7.17
140.0	2.33		4.47	7.14
145.0	2.42		4.21	7.05
150.0	2.50		4.35	6.98
155.0	2.58		4.28	7.00
160.0	2.67		4.07	6.90
165.0	2.75		4.00	7.00
170.0	2.83		3.96	7.00
175.0	2.92		3.80	6.88
180.0	3.00		3.76	6.84
185.0	3.08		3.83	6.87
190.0	3.17		3.81	6.83
195.0	3.25		3.64	6.89
200.0	3.33		3.56	6.79
205.0	3.42		3.68	6.76
210.0	3.50		3.51	6.75
215.0	3.58		3.43	6.68
220.0	3.67		3.36	6.72
225.0	3.75		3.39	6.67
230.0	3.83		3.22	6.57
235.0	3.92		3.21	6.66
240.0	4.00		3.26	6.63
245.0	4.08		3.23	6.64
250.0	4.17		3.04	6.65
255.0	4.25		3.14	6.75
260.0	4.33		3.10	6.55
265.0	4.42		3.01	6.52
270.0	4.50		3.00	6.60
275.0	4.58		2.80	6.51
280.0	4.67		2.86	6.42
285.0	4.75		2.87	6.57
290.0	4.83		2.86	6.42
295.0	4.92		2.72	6.42
300.0	5.00		2.58	6.45

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP2-2B.PPD
Job Number:	13-53075
Sounding ID:	GCPT-2-2B
Location:	Bridgeton Landfill
Sounding Date:	24-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 24
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	61
Longest Trace - Depth (m):	8.850
Longest Trace - Depth (ft):	29.035
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	8.850
		Depth (ft)	29.035
0.0	0.00		19.53
5.0	0.08		12.46
10.0	0.17		12.83
15.0	0.25		13.24
20.0	0.33		13.46
25.0	0.42		13.67
30.0	0.50		13.81
35.0	0.58		14.12
40.0	0.67		14.20
45.0	0.75		14.43
50.0	0.83		14.58
55.0	0.92		14.68
60.0	1.00		14.72
65.0	1.08		14.95
70.0	1.17		14.96
75.0	1.25		14.97
80.0	1.33		15.03
85.0	1.42		15.10
90.0	1.50		15.14
95.0	1.58		15.14
100.0	1.67		15.11
105.0	1.75		15.16
110.0	1.83		15.11
115.0	1.92		15.17
120.0	2.00		15.11
125.0	2.08		15.16
130.0	2.17		15.11

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	8.850
		Depth (ft)	29.035
135.0	2.25		15.18
140.0	2.33		15.18
145.0	2.42		15.15
150.0	2.50		15.20
155.0	2.58		15.30
160.0	2.67		15.22
165.0	2.75		15.27
170.0	2.83		15.26
175.0	2.92		15.25
180.0	3.00		15.25
185.0	3.08		15.33
190.0	3.17		15.26
195.0	3.25		15.21
200.0	3.33		15.14
205.0	3.42		15.28
210.0	3.50		15.23
215.0	3.58		15.21
220.0	3.67		15.16
225.0	3.75		15.22
230.0	3.83		15.20
235.0	3.92		15.11
240.0	4.00		15.26
245.0	4.08		15.18
250.0	4.17		15.09
255.0	4.25		15.17
260.0	4.33		15.13
265.0	4.42		15.14
270.0	4.50		15.18
275.0	4.58		15.16
280.0	4.67		15.19
285.0	4.75		15.12
290.0	4.83		15.06
295.0	4.92		15.22
300.0	5.00		15.11

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP2-2C.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-2-2C		
Location:	Bridgeton Landfill		
Sounding Date:	20-Feb-2014		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	6	Of	86
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	1		
Longest Trace - Points:	96		
Longest Trace - Depth (m):	3.050		
Longest Trace - Depth (ft):	10.006		
Longest Trace - Duration (s):	475.0		
Longest Trace - Duration (min):	7.92		
Longest Trace - Duration (hrs):	0.132		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 96	2 86	3 69	4 55	5 60	6 59
		Depth (m)	3.050	9.500	10.400	10.750	11.850	13.700
		Depth (ft)	10.006	31.168	34.120	35.269	38.877	44.947
0.0	0.00		35.53	2.52	10.67	12.26	2.61	12.68
5.0	0.08		32.84	1.73	6.93	7.52	29.93	12.42
10.0	0.17		31.69	1.87	6.48	6.46	33.90	12.32
15.0	0.25		30.54	1.92	6.05	5.89	35.21	9.89
20.0	0.33		29.76	1.85	5.74	5.51	32.74	9.93
25.0	0.42		29.21	1.97	5.41	5.13	32.97	9.85
30.0	0.50		28.62	1.63	5.24	4.82	29.78	9.46
35.0	0.58		28.53	1.72	5.09	4.65	29.64	9.55
40.0	0.67		28.35	1.78	4.80	4.41	29.54	9.51
45.0	0.75		28.30	1.48	4.70	4.20	29.54	9.37
50.0	0.83		27.85	1.50	4.48	3.93	27.42	8.70
55.0	0.92		27.83	1.61	4.34	3.81	27.87	8.95
60.0	1.00		27.35	1.53	4.20	3.71	27.09	8.93
65.0	1.08		27.15	1.52	4.05	3.55	26.90	8.64
70.0	1.17		26.70	1.40	4.04	3.42	25.79	8.39
75.0	1.25		26.51	1.36	3.97	3.37	25.02	8.51
80.0	1.33		26.02	1.24	3.77	3.20	25.29	8.09
85.0	1.42		25.77	1.31	3.76	3.12	24.53	8.08
90.0	1.50		25.50	1.27	3.70	3.09	25.09	7.99
95.0	1.58		25.16	1.27	3.55	2.80	24.09	7.78
100.0	1.67		24.76	1.28	3.40	2.91	22.87	7.75
105.0	1.75		24.52	1.24	3.48	2.77	23.07	7.77
110.0	1.83		24.43	1.13	3.23	2.68	23.13	7.53
115.0	1.92		24.02	1.05	3.16	2.67	22.33	7.45
120.0	2.00		23.94	1.24	3.28	2.62	22.60	7.41
125.0	2.08		23.49	1.06	3.20	2.53	22.61	7.29
130.0	2.17		23.40	1.06	3.23	2.52	22.05	7.25

Time (s)	Time (min)	Trace No. Trace Points	1 96	2 86	3 69	4 55	5 60	6 59
		Depth (m)	3.050	9.500	10.400	10.750	11.850	13.700
		Depth (ft)	10.006	31.168	34.120	35.269	38.877	44.947
135.0	2.25		23.19	1.09	3.18	2.41	21.50	7.36
140.0	2.33		22.92	1.19	3.12	2.33	21.61	6.93
145.0	2.42		22.75	1.09	3.03	2.39	21.36	6.88
150.0	2.50		22.69	0.97	2.91	2.26	20.89	7.04
155.0	2.58		22.40	1.04	3.02	2.28	20.84	7.13
160.0	2.67		22.29	1.04	2.90	2.16	20.42	6.80
165.0	2.75		22.00	1.01	2.92	2.12	20.61	6.53
170.0	2.83		21.92	1.07	2.76	2.16	20.55	6.68
175.0	2.92		21.86	0.91	2.83	2.08	20.33	6.44
180.0	3.00		21.66	1.11	2.67	2.02	20.06	6.53
185.0	3.08		21.36	0.95	2.74	2.08	20.11	6.63
190.0	3.17		21.44	1.10	2.73	2.02	19.59	6.38
195.0	3.25		21.20	0.98	2.57	2.04	19.16	6.58
200.0	3.33		21.08	0.99	2.55	1.98	19.47	6.36
205.0	3.42		21.04	0.95	2.48	1.94	19.22	6.23
210.0	3.50		21.07	0.89	2.43	1.92	19.36	6.01
215.0	3.58		20.77	0.97	2.58	1.96	19.22	6.12
220.0	3.67		20.73	0.89	2.45	1.85	19.23	6.06
225.0	3.75		20.71	0.92	2.38	1.92	19.12	6.06
230.0	3.83		20.59	0.92	2.34	1.89	18.70	5.87
235.0	3.92		20.59	0.93	2.45	1.82	18.17	5.69
240.0	4.00		20.47	0.76	2.18	1.72	17.93	5.80
245.0	4.08		20.36	0.88	2.37	1.73	17.96	5.83
250.0	4.17		20.24	0.87	2.38	1.70	18.14	5.78
255.0	4.25		20.09	0.94	2.34	1.76	18.05	5.56
260.0	4.33		20.07	0.86	2.28	1.77	18.15	6.01
265.0	4.42		19.88	0.87	2.29	1.72	17.87	5.70
270.0	4.50		19.92	0.84	2.19	1.67	17.11	5.81
275.0	4.58		19.82	0.94	2.20		17.39	5.86
280.0	4.67		19.97	0.89	2.35		17.38	5.63
285.0	4.75		19.87	0.90	2.12		17.17	5.43
290.0	4.83		19.74	0.93	2.19		17.19	5.70
295.0	4.92		19.63	1.08	2.14		17.21	
300.0	5.00		19.49	1.06	2.03			
305.0	5.08		19.58	0.98	1.99			
310.0	5.17		19.50	0.87	2.08			
315.0	5.25		19.45	0.83	2.02			
320.0	5.33		19.27	0.83	2.11			
325.0	5.42		19.33	0.95	2.10			
330.0	5.50		19.17	0.94	1.97			
335.0	5.58		19.05	0.91	2.08			
340.0	5.67		19.21	0.92	2.05			
345.0	5.75		19.22	0.83				
350.0	5.83		19.05	0.79				
355.0	5.92		19.33	0.99				
360.0	6.00		19.01	0.89				
365.0	6.08		19.02	0.88				
370.0	6.17		18.81	0.88				
375.0	6.25		18.89	0.87				
380.0	6.33		18.88	0.78				
385.0	6.42		18.67	0.84				
390.0	6.50		18.70	0.77				
395.0	6.58		18.54	0.89				

Time (s)	Time (min)	Trace No. Trace Points	1 96	2 86	3 69	4 55	5 60	6 59
		Depth (m)	3.050	9.500	10.400	10.750	11.850	13.700
		Depth (ft)	10.006	31.168	34.120	35.269	38.877	44.947
400.0	6.67		18.78	0.83				
405.0	6.75		18.83	0.90				
410.0	6.83		18.54	0.84				
415.0	6.92		18.67	0.70				
420.0	7.00		18.39	0.81				
425.0	7.08		18.51	0.80				
430.0	7.17		18.44					
435.0	7.25		18.50					
440.0	7.33		18.39					
445.0	7.42		18.40					
450.0	7.50		18.34					
455.0	7.58		18.33					
460.0	7.67		18.17					
465.0	7.75		18.33					
470.0	7.83		18.25					
475.0	7.92		18.43					

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP2-3A.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-2-3A		
Location:	Bridgeton Landfill		
Sounding Date:	24-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	74
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	63		
Longest Trace - Depth (m):	11.050		
Longest Trace - Depth (ft):	36.253		
Longest Trace - Duration (s):	310.0		
Longest Trace - Duration (min):	5.17		
Longest Trace - Duration (hrs):	0.086		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 63
		Depth (m)	6.500	11.050
		Depth (ft)	21.325	36.253
0.0	0.00		27.36	19.52
5.0	0.08		6.56	14.45
10.0	0.17		6.06	13.10
15.0	0.25		5.64	11.76
20.0	0.33		5.76	10.90
25.0	0.42		5.55	10.29
30.0	0.50		5.62	9.76
35.0	0.58		5.58	9.16
40.0	0.67		5.53	8.76
45.0	0.75		5.36	8.24
50.0	0.83		5.29	7.85
55.0	0.92		5.30	7.47
60.0	1.00		5.23	7.19
65.0	1.08		5.32	6.90
70.0	1.17		5.10	6.58
75.0	1.25		5.07	6.23
80.0	1.33		5.13	5.86
85.0	1.42		5.08	5.77
90.0	1.50		5.05	5.38
95.0	1.58		4.93	5.28
100.0	1.67		5.07	5.01
105.0	1.75		5.06	4.83
110.0	1.83		5.00	4.54
115.0	1.92		5.02	4.38
120.0	2.00		5.01	4.26
125.0	2.08		5.01	4.05
130.0	2.17		4.95	4.01

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 63
		Depth (m)	6.500	11.050
		Depth (ft)	21.325	36.253
135.0	2.25		5.04	3.84
140.0	2.33		4.95	3.74
145.0	2.42		4.88	3.61
150.0	2.50		5.13	3.36
155.0	2.58		4.83	3.34
160.0	2.67		5.02	3.23
165.0	2.75		4.92	3.11
170.0	2.83		5.00	3.03
175.0	2.92		4.88	2.94
180.0	3.00		4.90	2.99
185.0	3.08		4.95	2.71
190.0	3.17		4.92	2.77
195.0	3.25		4.94	2.70
200.0	3.33		4.81	2.59
205.0	3.42		4.88	2.64
210.0	3.50		4.85	2.46
215.0	3.58		4.89	2.43
220.0	3.67		4.97	2.48
225.0	3.75		4.80	2.50
230.0	3.83		4.88	2.33
235.0	3.92		5.65	2.24
240.0	4.00		4.95	2.33
245.0	4.08		4.98	2.24
250.0	4.17		4.98	2.23
255.0	4.25		4.93	2.27
260.0	4.33		5.05	2.14
265.0	4.42		5.03	2.11
270.0	4.50		4.93	2.20
275.0	4.58		4.88	2.14
280.0	4.67		4.85	2.14
285.0	4.75		4.96	1.98
290.0	4.83		4.99	2.05
295.0	4.92		5.00	1.97
300.0	5.00		4.90	2.01
305.0	5.08			1.92
310.0	5.17			1.87

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP2-4.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-2-4		
Location:	Bridgeton Landfill		
Sounding Date:	05-Feb-2014		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	3	Of	40
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	1		
Longest Trace - Points:	66		
Longest Trace - Depth (m):	6.500		
Longest Trace - Depth (ft):	21.325		
Longest Trace - Duration (s):	325.0		
Longest Trace - Duration (min):	5.42		
Longest Trace - Duration (hrs):	0.090		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 66	2 10	3 61
		Depth (m)	6.500	11.450	16.250
		Depth (ft)	21.325	37.565	53.313
0.0	0.00		115.56	2.78	7.37
5.0	0.08		92.83	3.95	6.21
10.0	0.17		87.98	4.06	6.85
15.0	0.25		84.83	3.88	6.94
20.0	0.33		81.95	4.03	6.76
25.0	0.42		78.98	3.95	6.57
30.0	0.50		76.39	4.02	6.59
35.0	0.58		73.81	4.04	6.30
40.0	0.67		71.69	4.08	6.23
45.0	0.75		69.33	3.99	6.07
50.0	0.83		67.23		5.98
55.0	0.92		65.29		5.82
60.0	1.00		63.35		5.69
65.0	1.08		61.50		5.73
70.0	1.17		60.01		5.65
75.0	1.25		58.43		5.68
80.0	1.33		56.62		5.51
85.0	1.42		55.41		5.38
90.0	1.50		54.10		5.21
95.0	1.58		52.82		5.26
100.0	1.67		51.83		5.17
105.0	1.75		50.72		5.22
110.0	1.83		49.44		5.22
115.0	1.92		48.65		5.11
120.0	2.00		47.52		5.06
125.0	2.08		46.73		5.12
130.0	2.17		45.67		5.09

Time (s)	Time (min)	Trace No. Trace Points	1 66	2 10	3 61
		Depth (m)	6.500	11.450	16.250
		Depth (ft)	21.325	37.565	53.313
135.0	2.25		44.74		5.09
140.0	2.33		43.93		5.14
145.0	2.42		43.26		5.06
150.0	2.50		42.68		5.23
155.0	2.58		41.90		5.15
160.0	2.67		41.24		5.24
165.0	2.75		40.68		5.04
170.0	2.83		39.89		5.29
175.0	2.92		39.32		5.17
180.0	3.00		38.85		5.27
185.0	3.08		38.31		5.41
190.0	3.17		37.80		5.36
195.0	3.25		37.18		5.25
200.0	3.33		36.72		5.38
205.0	3.42		36.23		5.33
210.0	3.50		35.80		5.41
215.0	3.58		35.32		5.43
220.0	3.67		34.72		5.40
225.0	3.75		34.39		5.42
230.0	3.83		34.11		5.55
235.0	3.92		33.62		5.46
240.0	4.00		33.31		5.41
245.0	4.08		32.83		5.43
250.0	4.17		32.67		5.56
255.0	4.25		32.19		5.67
260.0	4.33		31.61		5.55
265.0	4.42		31.53		5.67
270.0	4.50		31.25		5.61
275.0	4.58		30.90		5.78
280.0	4.67		30.38		5.77
285.0	4.75		30.14		5.78
290.0	4.83		29.83		5.72
295.0	4.92		29.68		5.85
300.0	5.00		29.37		5.91
305.0	5.08		29.17		
310.0	5.17		28.85		
315.0	5.25		28.73		
320.0	5.33		28.34		
325.0	5.42		28.37		

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP3-1A.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-3-1A		
Location:	Bridgeton Landfill		
Sounding Date:	24-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	32
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	61		
Longest Trace - Depth (m):	12.550		
Longest Trace - Depth (ft):	41.174		
Longest Trace - Duration (s):	300.0		
Longest Trace - Duration (min):	5.00		
Longest Trace - Duration (hrs):	0.083		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	5.500	12.550
		Depth (ft)	18.044	41.174
0.0	0.00		14.20	11.83
5.0	0.08		8.63	9.20
10.0	0.17		9.70	7.03
15.0	0.25		10.52	6.47
20.0	0.33		11.05	6.23
25.0	0.42		11.59	5.92
30.0	0.50		11.93	5.61
35.0	0.58		12.50	5.58
40.0	0.67		12.76	5.30
45.0	0.75		12.71	5.09
50.0	0.83		12.90	4.93
55.0	0.92		13.05	4.75
60.0	1.00		13.21	4.60
65.0	1.08		13.60	4.40
70.0	1.17		13.69	4.26
75.0	1.25		13.48	4.28
80.0	1.33		13.50	4.12
85.0	1.42		13.77	3.84
90.0	1.50		13.71	3.86
95.0	1.58		13.55	3.82
100.0	1.67		13.76	3.61
105.0	1.75		13.52	3.55
110.0	1.83		13.82	3.58
115.0	1.92		13.65	3.51
120.0	2.00		13.63	3.49
125.0	2.08		13.55	3.26
130.0	2.17		13.35	3.21

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	5.500	12.550
		Depth (ft)	18.044	41.174
135.0	2.25		13.08	3.21
140.0	2.33		13.00	3.03
145.0	2.42		12.95	3.13
150.0	2.50		13.02	3.05
155.0	2.58		13.10	3.01
160.0	2.67		13.09	2.99
165.0	2.75		13.01	2.86
170.0	2.83		12.87	2.81
175.0	2.92		13.03	2.89
180.0	3.00		12.63	2.83
185.0	3.08		12.27	2.78
190.0	3.17		12.36	2.85
195.0	3.25		12.43	2.81
200.0	3.33		12.49	2.71
205.0	3.42		12.36	2.71
210.0	3.50		12.31	2.63
215.0	3.58		12.40	2.73
220.0	3.67		12.35	2.72
225.0	3.75		12.33	2.44
230.0	3.83		12.32	2.60
235.0	3.92		12.20	2.59
240.0	4.00		12.17	2.52
245.0	4.08		12.10	2.47
250.0	4.17		12.19	2.50
255.0	4.25		12.09	2.50
260.0	4.33		12.06	2.53
265.0	4.42		11.94	2.46
270.0	4.50		11.61	2.52
275.0	4.58		11.48	2.53
280.0	4.67		11.76	2.53
285.0	4.75		11.75	2.38
290.0	4.83		11.59	2.48
295.0	4.92		11.65	2.40
300.0	5.00		11.65	2.43

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP3-2.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-3-2		
Location:	Bridgeton Landfill		
Sounding Date:	24-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	40
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	1		
Longest Trace - Points:	61		
Longest Trace - Depth (m):	4.000		
Longest Trace - Depth (ft):	13.123		
Longest Trace - Duration (s):	300.0		
Longest Trace - Duration (min):	5.00		
Longest Trace - Duration (hrs):	0.083		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 41
		Depth (m)	4.000	14.250
		Depth (ft)	13.123	46.751
0.0	0.00		11.11	121.39
5.0	0.08		5.86	221.54
10.0	0.17		5.52	201.43
15.0	0.25		6.11	178.74
20.0	0.33		6.04	167.44
25.0	0.42		5.90	159.45
30.0	0.50		5.93	152.39
35.0	0.58		6.07	146.53
40.0	0.67		6.13	140.89
45.0	0.75		5.89	135.45
50.0	0.83		5.91	130.37
55.0	0.92		5.92	125.19
60.0	1.00		5.99	120.23
65.0	1.08		6.02	115.72
70.0	1.17		5.97	112.00
75.0	1.25		5.89	108.40
80.0	1.33		5.84	104.65
85.0	1.42		6.07	101.09
90.0	1.50		5.83	97.50
95.0	1.58		5.98	93.93
100.0	1.67		6.08	90.82
105.0	1.75		5.85	87.80
110.0	1.83		5.82	84.81
115.0	1.92		5.79	82.42
120.0	2.00		6.07	80.46
125.0	2.08		6.01	78.05
130.0	2.17		5.95	75.85

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 41
		Depth (m)	4.000	14.250
		Depth (ft)	13.123	46.751
135.0	2.25		6.31	73.47
140.0	2.33		6.26	71.50
145.0	2.42		6.38	69.42
150.0	2.50		6.20	67.50
155.0	2.58		5.97	65.69
160.0	2.67		5.99	64.12
165.0	2.75		6.05	62.65
170.0	2.83		5.92	61.27
175.0	2.92		6.12	59.75
180.0	3.00		6.19	58.40
185.0	3.08		6.08	57.00
190.0	3.17		6.11	55.86
195.0	3.25		6.02	54.66
200.0	3.33		6.22	53.36
205.0	3.42		6.09	
210.0	3.50		6.18	
215.0	3.58		6.00	
220.0	3.67		6.08	
225.0	3.75		6.03	
230.0	3.83		5.99	
235.0	3.92		6.30	
240.0	4.00		6.28	
245.0	4.08		6.27	
250.0	4.17		6.12	
255.0	4.25		6.15	
260.0	4.33		6.10	
265.0	4.42		6.17	
270.0	4.50		6.23	
275.0	4.58		6.20	
280.0	4.67		6.12	
285.0	4.75		6.14	
290.0	4.83		6.11	
295.0	4.92		6.18	
300.0	5.00		6.24	

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP4-1.PPD
Job Number:	13-53075
Sounding ID:	GCPT-4-1
Location:	Bridgeton Landfill
Sounding Date:	14-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	2 Of 33
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	2
Longest Trace - Points:	61
Longest Trace - Depth (m):	13.750
Longest Trace - Depth (ft):	45.111
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	2.500	13.750
		Depth (ft)	8.202	45.111
0.0	0.00		0.02	12.77
5.0	0.08		0.59	12.77
10.0	0.17		0.40	12.62
15.0	0.25		0.49	12.48
20.0	0.33		0.47	12.44
25.0	0.42		0.40	12.40
30.0	0.50		0.40	12.30
35.0	0.58		0.25	12.11
40.0	0.67		0.24	12.06
45.0	0.75		0.19	11.93
50.0	0.83		0.14	11.89
55.0	0.92		0.23	11.81
60.0	1.00		0.20	11.83
65.0	1.08		0.36	11.64
70.0	1.17		0.17	11.63
75.0	1.25		0.26	11.54
80.0	1.33		0.14	11.53
85.0	1.42		0.11	11.46
90.0	1.50		0.06	11.42
95.0	1.58		0.06	11.37
100.0	1.67		0.17	11.32
105.0	1.75		0.10	11.30
110.0	1.83		0.26	11.19
115.0	1.92		0.23	11.24
120.0	2.00		0.30	11.22
125.0	2.08		0.19	11.20
130.0	2.17		0.31	11.04

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	2.500	13.750
		Depth (ft)	8.202	45.111
135.0	2.25		0.26	11.04
140.0	2.33		0.25	10.98
145.0	2.42		0.04	10.83
150.0	2.50		0.01	10.85
155.0	2.58		0.06	10.78
160.0	2.67		0.08	10.80
165.0	2.75		-0.04	10.77
170.0	2.83		-0.06	10.68
175.0	2.92		-0.09	10.66
180.0	3.00		0.21	10.67
185.0	3.08		0.26	10.57
190.0	3.17		0.23	10.54
195.0	3.25		0.14	10.53
200.0	3.33		0.12	10.54
205.0	3.42		0.24	10.51
210.0	3.50		0.27	10.48
215.0	3.58		0.26	10.43
220.0	3.67		0.22	10.50
225.0	3.75		0.20	10.30
230.0	3.83		0.19	10.34
235.0	3.92		0.26	10.30
240.0	4.00		0.19	10.35
245.0	4.08		0.24	10.27
250.0	4.17		0.26	10.15
255.0	4.25		0.28	10.16
260.0	4.33		0.07	10.17
265.0	4.42		0.21	10.23
270.0	4.50		0.12	10.13
275.0	4.58		0.18	10.14
280.0	4.67		0.13	10.20
285.0	4.75		0.20	10.07
290.0	4.83		0.25	9.99
295.0	4.92		0.18	10.10
300.0	5.00		0.32	10.00

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP4-2.PPD
Job Number:	13-53075
Sounding ID:	GCPT-4-2
Location:	Bridgeton Landfill
Sounding Date:	14-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	2 Of 47
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	2
Longest Trace - Points:	81
Longest Trace - Depth (m):	16.100
Longest Trace - Depth (ft):	52.821
Longest Trace - Duration (s):	400.0
Longest Trace - Duration (min):	6.67
Longest Trace - Duration (hrs):	0.111
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 81
		Depth (m)	6.750	16.100
		Depth (ft)	22.145	52.821
0.0	0.00		2.54	4.41
5.0	0.08		2.86	4.34
10.0	0.17		3.18	4.28
15.0	0.25		3.24	4.24
20.0	0.33		3.43	4.27
25.0	0.42		3.56	4.24
30.0	0.50		3.45	4.08
35.0	0.58		3.58	4.04
40.0	0.67		3.57	4.15
45.0	0.75		3.57	4.02
50.0	0.83		3.61	3.95
55.0	0.92		3.61	3.96
60.0	1.00		3.71	3.89
65.0	1.08		3.70	3.91
70.0	1.17		3.72	3.81
75.0	1.25		3.72	3.73
80.0	1.33		3.76	3.74
85.0	1.42		3.87	3.69
90.0	1.50		3.85	3.60
95.0	1.58		3.82	3.77
100.0	1.67		3.85	3.54
105.0	1.75		3.87	3.50
110.0	1.83		3.81	3.59
115.0	1.92		3.85	3.52
120.0	2.00		3.90	3.47
125.0	2.08		3.89	3.40
130.0	2.17		3.81	3.30

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 81
		Depth (m)	6.750	16.100
		Depth (ft)	22.145	52.821
135.0	2.25		3.79	3.36
140.0	2.33		3.94	3.36
145.0	2.42		3.99	3.35
150.0	2.50		4.01	3.38
155.0	2.58		3.92	3.28
160.0	2.67		3.89	3.24
165.0	2.75		3.90	3.19
170.0	2.83		3.94	3.16
175.0	2.92		3.88	3.18
180.0	3.00		3.85	3.12
185.0	3.08		3.91	3.19
190.0	3.17		3.89	3.12
195.0	3.25		4.03	3.09
200.0	3.33		3.95	3.12
205.0	3.42		4.09	3.03
210.0	3.50		3.95	2.94
215.0	3.58		4.06	2.97
220.0	3.67		4.04	2.94
225.0	3.75		4.01	2.93
230.0	3.83		3.89	2.87
235.0	3.92		4.02	2.89
240.0	4.00		3.98	2.86
245.0	4.08		3.95	2.85
250.0	4.17		4.07	2.85
255.0	4.25		3.97	2.92
260.0	4.33		4.00	2.86
265.0	4.42		3.92	2.85
270.0	4.50		4.04	2.80
275.0	4.58		4.15	2.78
280.0	4.67		4.09	2.77
285.0	4.75		4.00	2.77
290.0	4.83		4.08	2.67
295.0	4.92		4.02	2.68
300.0	5.00		4.14	2.75
305.0	5.08			2.65
310.0	5.17			2.61
315.0	5.25			2.64
320.0	5.33			2.54
325.0	5.42			2.51
330.0	5.50			2.66
335.0	5.58			2.62
340.0	5.67			2.55
345.0	5.75			2.59
350.0	5.83			2.47
355.0	5.92			2.63
360.0	6.00			2.59
365.0	6.08			2.51
370.0	6.17			2.50
375.0	6.25			2.46
380.0	6.33			2.45
385.0	6.42			2.47
390.0	6.50			2.44
395.0	6.58			2.36

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 81
		Depth (m)	6.750	16.100
		Depth (ft)	22.145	52.821
400.0	6.67			2.46

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP5-1.PPD
Job Number:	13-53075
Sounding ID:	GCPT-5-1
Location:	Bridgeton Landfill
Sounding Date:	19-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	2 Of 29
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	2
Longest Trace - Points:	61
Longest Trace - Depth (m):	9.800
Longest Trace - Depth (ft):	32.152
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	3.200	9.800
		Depth (ft)	10.499	32.152
0.0	0.00		7.79	18.96
5.0	0.08		7.00	18.63
10.0	0.17		6.62	18.50
15.0	0.25		6.63	18.58
20.0	0.33		6.54	18.71
25.0	0.42		6.72	18.72
30.0	0.50		6.73	18.71
35.0	0.58		6.77	18.76
40.0	0.67		6.88	18.78
45.0	0.75		7.02	18.81
50.0	0.83		6.97	18.76
55.0	0.92		7.11	18.76
60.0	1.00		7.10	18.72
65.0	1.08		7.21	18.75
70.0	1.17		7.25	18.70
75.0	1.25		7.44	18.77
80.0	1.33		7.47	18.69
85.0	1.42		7.56	18.70
90.0	1.50		7.58	18.67
95.0	1.58		7.58	18.59
100.0	1.67		7.64	18.65
105.0	1.75		7.73	18.66
110.0	1.83		7.76	18.53
115.0	1.92		7.85	18.48
120.0	2.00		7.98	18.46
125.0	2.08		7.96	18.48
130.0	2.17		8.00	18.44

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	3.200	9.800
		Depth (ft)	10.499	32.152
135.0	2.25		8.07	18.39
140.0	2.33		8.10	18.35
145.0	2.42		8.12	18.32
150.0	2.50		8.23	18.27
155.0	2.58		8.23	18.29
160.0	2.67		8.33	18.27
165.0	2.75		8.43	18.16
170.0	2.83		8.38	18.09
175.0	2.92		8.45	18.06
180.0	3.00		8.41	18.00
185.0	3.08		8.53	18.05
190.0	3.17		8.51	17.96
195.0	3.25		8.49	17.92
200.0	3.33		8.55	17.90
205.0	3.42		8.56	17.84
210.0	3.50		8.68	17.88
215.0	3.58		8.71	17.77
220.0	3.67		8.73	17.66
225.0	3.75		8.84	17.60
230.0	3.83		8.84	17.63
235.0	3.92		8.83	17.58
240.0	4.00		8.83	17.51
245.0	4.08		8.95	17.49
250.0	4.17		8.95	17.48
255.0	4.25		8.94	17.37
260.0	4.33		8.96	17.40
265.0	4.42		8.97	17.31
270.0	4.50		9.02	17.27
275.0	4.58		9.03	17.22
280.0	4.67		9.01	17.20
285.0	4.75		9.11	17.15
290.0	4.83		9.02	17.16
295.0	4.92		9.17	17.07
300.0	5.00		9.14	17.01

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP5-2.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-5-2		
Location:	Bridgeton Landfill		
Sounding Date:	18-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	43
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	1		
Longest Trace - Points:	83		
Longest Trace - Depth (m):	6.850		
Longest Trace - Depth (ft):	22.473		
Longest Trace - Duration (s):	410.0		
Longest Trace - Duration (min):	6.83		
Longest Trace - Duration (hrs):	0.114		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 83	2 61
		Depth (m)	6.850	15.600
		Depth (ft)	22.473	51.180
0.0	0.00		4.58	5.07
5.0	0.08		2.08	5.12
10.0	0.17		2.09	5.10
15.0	0.25		1.97	5.19
20.0	0.33		1.95	5.07
25.0	0.42		2.01	5.03
30.0	0.50		1.97	5.42
35.0	0.58		2.02	5.04
40.0	0.67		2.01	4.98
45.0	0.75		2.09	4.96
50.0	0.83		1.95	4.89
55.0	0.92		1.97	5.03
60.0	1.00		1.92	4.90
65.0	1.08		1.90	4.85
70.0	1.17		2.03	4.97
75.0	1.25		1.91	4.93
80.0	1.33		1.96	4.90
85.0	1.42		1.87	4.80
90.0	1.50		2.05	4.80
95.0	1.58		1.96	4.85
100.0	1.67		1.94	4.79
105.0	1.75		2.01	4.84
110.0	1.83		2.02	4.72
115.0	1.92		1.85	4.78
120.0	2.00		2.03	4.68
125.0	2.08		1.94	4.59
130.0	2.17		1.96	4.64

Time (s)	Time (min)	Trace No. Trace Points	1 83	2 61
		Depth (m)	6.850	15.600
		Depth (ft)	22.473	51.180
135.0	2.25		1.92	4.69
140.0	2.33		2.00	4.60
145.0	2.42		1.99	4.59
150.0	2.50		2.00	4.56
155.0	2.58		1.90	4.63
160.0	2.67		1.96	4.60
165.0	2.75		1.90	4.50
170.0	2.83		2.00	4.58
175.0	2.92		1.97	4.55
180.0	3.00		2.00	4.53
185.0	3.08		1.95	4.46
190.0	3.17		1.95	4.49
195.0	3.25		1.98	4.43
200.0	3.33		1.99	4.43
205.0	3.42		1.94	4.37
210.0	3.50		1.96	4.38
215.0	3.58		1.96	4.43
220.0	3.67		1.97	4.37
225.0	3.75		1.77	4.27
230.0	3.83		1.93	4.34
235.0	3.92		1.95	4.30
240.0	4.00		1.80	4.31
245.0	4.08		1.91	4.40
250.0	4.17		2.03	4.35
255.0	4.25		1.96	4.28
260.0	4.33		1.87	4.39
265.0	4.42		1.93	4.35
270.0	4.50		1.90	4.37
275.0	4.58		1.97	4.22
280.0	4.67		1.85	4.20
285.0	4.75		1.92	4.21
290.0	4.83		1.94	4.23
295.0	4.92		1.97	4.21
300.0	5.00		1.88	4.16
305.0	5.08		1.89	
310.0	5.17		1.56	
315.0	5.25		1.92	
320.0	5.33		1.82	
325.0	5.42		1.88	
330.0	5.50		1.92	
335.0	5.58		1.89	
340.0	5.67		1.81	
345.0	5.75		1.88	
350.0	5.83		1.85	
355.0	5.92		1.75	
360.0	6.00		1.87	
365.0	6.08		1.85	
370.0	6.17		1.91	
375.0	6.25		1.72	
380.0	6.33		1.65	
385.0	6.42		1.69	
390.0	6.50		1.72	
395.0	6.58		1.74	

Time (s)	Time (min)	Trace No. Trace Points	1 83	2 61
		Depth (m)	6.850	15.600
		Depth (ft)	22.473	51.180
400.0	6.67		1.66	
405.0	6.75		1.92	
410.0	6.83		1.70	

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP5-3.PPD
Job Number:	13-53075
Sounding ID:	GCPT-5-3
Location:	Bridgeton Landfill
Sounding Date:	19-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	2 Of 26
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	2
Longest Trace - Points:	61
Longest Trace - Depth (m):	13.500
Longest Trace - Depth (ft):	44.291
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	3.050	13.500
		Depth (ft)	10.006	44.291
0.0	0.00		-0.39	17.41
5.0	0.08		-0.71	17.19
10.0	0.17		-0.49	17.16
15.0	0.25		-0.47	17.26
20.0	0.33		-0.27	17.21
25.0	0.42		-0.45	17.14
30.0	0.50		-0.38	17.22
35.0	0.58		-0.30	17.17
40.0	0.67		-0.31	17.05
45.0	0.75		-0.24	17.14
50.0	0.83		-0.31	17.04
55.0	0.92		-0.20	17.07
60.0	1.00		-0.07	17.01
65.0	1.08		-0.11	17.16
70.0	1.17		-0.04	17.00
75.0	1.25		-0.03	17.09
80.0	1.33		-0.08	16.92
85.0	1.42		0.00	16.93
90.0	1.50		-0.02	16.89
95.0	1.58		0.07	16.85
100.0	1.67		0.13	16.84
105.0	1.75		0.04	16.83
110.0	1.83		0.13	16.79
115.0	1.92		0.12	16.82
120.0	2.00		0.20	16.74
125.0	2.08		0.12	16.69
130.0	2.17		0.17	16.74

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	3.050	13.500
		Depth (ft)	10.006	44.291
135.0	2.25		0.22	16.57
140.0	2.33		0.19	16.57
145.0	2.42		0.24	16.51
150.0	2.50		0.25	16.58
155.0	2.58		0.19	16.62
160.0	2.67		0.20	16.42
165.0	2.75		0.25	16.52
170.0	2.83		0.18	16.43
175.0	2.92		0.19	16.55
180.0	3.00		0.26	16.45
185.0	3.08		0.29	16.34
190.0	3.17		0.33	16.39
195.0	3.25		0.30	16.35
200.0	3.33		0.29	16.36
205.0	3.42		0.38	16.28
210.0	3.50		0.37	16.71
215.0	3.58		0.30	16.21
220.0	3.67		0.21	16.24
225.0	3.75		0.33	16.13
230.0	3.83		0.38	16.08
235.0	3.92		0.30	16.13
240.0	4.00		0.34	16.11
245.0	4.08		0.37	16.16
250.0	4.17		0.36	16.14
255.0	4.25		0.36	16.07
260.0	4.33		0.41	16.14
265.0	4.42		0.32	16.08
270.0	4.50		0.41	16.13
275.0	4.58		0.32	15.99
280.0	4.67		0.29	16.00
285.0	4.75		0.37	16.04
290.0	4.83		0.36	15.99
295.0	4.92		0.38	15.99
300.0	5.00		0.29	16.05

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP5-4A.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-5-4A		
Location:	Bridgeton Landfill		
Sounding Date:	19-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	57
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	61		
Longest Trace - Depth (m):	14.100		
Longest Trace - Depth (ft):	46.259		
Longest Trace - Duration (s):	300.0		
Longest Trace - Duration (min):	5.00		
Longest Trace - Duration (hrs):	0.083		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.100	14.100
		Depth (ft)	20.013	46.259
0.0	0.00		3.80	9.84
5.0	0.08		3.71	9.76
10.0	0.17		3.57	9.83
15.0	0.25		3.62	9.76
20.0	0.33		3.54	9.79
25.0	0.42		3.56	9.68
30.0	0.50		3.52	9.62
35.0	0.58		3.59	9.51
40.0	0.67		3.53	9.43
45.0	0.75		3.43	9.41
50.0	0.83		3.56	9.38
55.0	0.92		3.52	9.29
60.0	1.00		3.52	9.23
65.0	1.08		3.43	9.17
70.0	1.17		3.49	9.03
75.0	1.25		3.34	9.05
80.0	1.33		3.31	8.97
85.0	1.42		3.39	8.90
90.0	1.50		3.48	8.89
95.0	1.58		3.49	8.81
100.0	1.67		3.34	8.78
105.0	1.75		3.27	8.77
110.0	1.83		3.34	8.71
115.0	1.92		3.28	8.68
120.0	2.00		3.26	8.57
125.0	2.08		3.33	8.58
130.0	2.17		3.31	8.52

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.100	14.100
		Depth (ft)	20.013	46.259
135.0	2.25		3.32	8.47
140.0	2.33		3.28	8.43
145.0	2.42		3.24	8.41
150.0	2.50		3.36	8.39
155.0	2.58		3.26	8.43
160.0	2.67		3.21	8.39
165.0	2.75		3.28	8.28
170.0	2.83		3.21	8.30
175.0	2.92		3.26	8.29
180.0	3.00		3.18	8.22
185.0	3.08		3.21	8.17
190.0	3.17		3.17	8.20
195.0	3.25		3.27	8.15
200.0	3.33		3.17	8.21
205.0	3.42		3.14	8.12
210.0	3.50		3.29	8.14
215.0	3.58		3.12	8.17
220.0	3.67		3.21	8.12
225.0	3.75		3.29	8.04
230.0	3.83		3.14	8.10
235.0	3.92		3.20	8.15
240.0	4.00		3.27	8.01
245.0	4.08		3.20	8.08
250.0	4.17		3.23	8.11
255.0	4.25		3.22	8.00
260.0	4.33		3.24	7.97
265.0	4.42		3.13	8.07
270.0	4.50		3.18	7.89
275.0	4.58		3.20	7.96
280.0	4.67		3.11	7.93
285.0	4.75		3.20	7.95
290.0	4.83		3.10	7.88
295.0	4.92		3.21	8.02
300.0	5.00		3.24	7.91

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP5-5.PPD
Job Number:	13-53075
Sounding ID:	GCPT-5-5
Location:	Bridgeton Landfill
Sounding Date:	05-Feb-2014
Cone Area (sq cm):	15.0
Number Of Reported Traces:	2 Of 32
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	2
Longest Trace - Points:	81
Longest Trace - Depth (m):	14.600
Longest Trace - Depth (ft):	47.900
Longest Trace - Duration (s):	400.0
Longest Trace - Duration (min):	6.67
Longest Trace - Duration (hrs):	0.111
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 81
		Depth (m)	7.800	14.600
		Depth (ft)	25.590	47.900
0.0	0.00		21.91	79.78
5.0	0.08		26.49	72.80
10.0	0.17		24.93	73.22
15.0	0.25		23.04	76.21
20.0	0.33		21.74	80.70
25.0	0.42		20.02	84.27
30.0	0.50		18.66	87.08
35.0	0.58		17.71	89.28
40.0	0.67		16.85	90.87
45.0	0.75		15.91	92.42
50.0	0.83		15.63	93.41
55.0	0.92		15.11	94.42
60.0	1.00		14.39	95.11
65.0	1.08		13.76	95.59
70.0	1.17		13.43	96.13
75.0	1.25		13.04	96.38
80.0	1.33		12.77	96.68
85.0	1.42		12.51	96.92
90.0	1.50		12.26	97.22
95.0	1.58		12.59	97.30
100.0	1.67		11.98	97.42
105.0	1.75		12.19	97.42
110.0	1.83		11.51	97.75
115.0	1.92		11.47	98.08
120.0	2.00		11.21	98.17
125.0	2.08		11.54	98.38
130.0	2.17		11.17	98.47

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 81
		Depth (m)	7.800	14.600
		Depth (ft)	25.590	47.900
135.0	2.25		11.23	98.51
140.0	2.33		10.78	98.61
145.0	2.42		10.76	98.67
150.0	2.50		10.71	98.79
155.0	2.58		10.42	99.06
160.0	2.67		10.71	98.97
165.0	2.75		10.31	99.06
170.0	2.83		10.71	99.27
175.0	2.92		10.47	99.37
180.0	3.00		10.73	99.29
185.0	3.08		10.28	99.44
190.0	3.17		10.09	99.51
195.0	3.25		10.00	99.61
200.0	3.33		10.30	99.67
205.0	3.42		10.16	99.89
210.0	3.50		10.11	99.68
215.0	3.58		10.35	99.87
220.0	3.67		9.89	99.78
225.0	3.75		10.08	99.75
230.0	3.83		9.90	99.85
235.0	3.92		10.10	99.88
240.0	4.00		10.01	99.90
245.0	4.08		9.84	99.79
250.0	4.17		9.56	99.86
255.0	4.25		10.10	99.89
260.0	4.33		10.09	99.86
265.0	4.42		10.23	99.98
270.0	4.50		10.06	99.92
275.0	4.58		9.95	100.07
280.0	4.67		9.64	99.98
285.0	4.75		10.24	99.93
290.0	4.83		9.75	99.96
295.0	4.92		9.40	99.74
300.0	5.00		9.51	99.84
305.0	5.08			99.73
310.0	5.17			99.83
315.0	5.25			99.86
320.0	5.33			99.74
325.0	5.42			99.79
330.0	5.50			99.68
335.0	5.58			99.80
340.0	5.67			99.62
345.0	5.75			99.56
350.0	5.83			99.49
355.0	5.92			99.66
360.0	6.00			99.30
365.0	6.08			99.24
370.0	6.17			99.46
375.0	6.25			99.35
380.0	6.33			99.15
385.0	6.42			99.12
390.0	6.50			99.03
395.0	6.58			98.90

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 81
		Depth (m)	7.800	14.600
		Depth (ft)	25.590	47.900
400.0	6.67			98.99

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP5-6.PPD
Job Number:	13-53075
Sounding ID:	GCPT-5-6
Location:	Bridgeton Landfill
Sounding Date:	05-Feb-2014
Cone Area (sq cm):	15.0
Number Of Reported Traces:	4 Of 24
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	71
Longest Trace - Depth (m):	5.950
Longest Trace - Depth (ft):	19.521
Longest Trace - Duration (s):	350.0
Longest Trace - Duration (min):	5.83
Longest Trace - Duration (hrs):	0.097
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 71	2 26	3 46	4 61
		Depth (m)	5.950	9.500	10.500	13.750
		Depth (ft)	19.521	31.168	34.448	45.111
0.0	0.00		26.08	8.34	4.72	19.02
5.0	0.08		33.11	7.26	4.86	15.48
10.0	0.17		29.86	7.19	5.13	18.47
15.0	0.25		27.84	6.82	5.15	21.92
20.0	0.33		25.83	6.28	4.64	26.52
25.0	0.42		23.95	6.40	4.59	31.16
30.0	0.50		23.50	6.17	4.50	34.91
35.0	0.58		22.50	5.90	4.50	38.38
40.0	0.67		21.57	5.76	3.90	41.59
45.0	0.75		21.02	5.54	4.41	43.78
50.0	0.83		20.51	5.27	3.84	45.50
55.0	0.92		20.09	5.00	4.26	46.29
60.0	1.00		19.33	4.93	3.76	46.88
65.0	1.08		19.34	4.70	3.76	47.29
70.0	1.17		18.76	4.63	4.16	47.01
75.0	1.25		18.49	4.68	4.31	47.05
80.0	1.33		17.99	4.42	4.13	46.46
85.0	1.42		18.07	4.35	4.19	46.21
90.0	1.50		17.60	4.34	4.63	45.41
95.0	1.58		17.05	4.12	4.77	44.82
100.0	1.67		17.07	4.15	4.65	44.07
105.0	1.75		16.76	3.68	4.19	43.49
110.0	1.83		16.51	3.83	4.32	42.80
115.0	1.92		16.30	3.58	4.06	41.95
120.0	2.00		16.33	3.00	4.17	41.16
125.0	2.08		16.03	2.89	4.01	40.57
130.0	2.17		15.96		4.28	39.87

Time (s)	Time (min)	Trace No. Trace Points	1 71	2 26	3 46	4 61
		Depth (m)	5.950	9.500	10.500	13.750
		Depth (ft)	19.521	31.168	34.448	45.111
135.0	2.25		15.76		4.42	39.30
140.0	2.33		15.71		4.29	38.63
145.0	2.42		15.30		4.15	37.98
150.0	2.50		15.16		4.42	37.33
155.0	2.58		15.13		4.36	36.79
160.0	2.67		14.58		4.70	36.29
165.0	2.75		14.76		4.07	35.86
170.0	2.83		14.42		4.72	35.46
175.0	2.92		14.30		4.28	34.84
180.0	3.00		14.03		4.36	34.17
185.0	3.08		13.89		4.50	34.01
190.0	3.17		13.96		4.60	33.26
195.0	3.25		13.53		4.53	32.88
200.0	3.33		13.95		4.77	32.56
205.0	3.42		13.35		5.06	32.29
210.0	3.50		13.60		4.41	31.85
215.0	3.58		13.30		4.55	31.54
220.0	3.67		13.53		4.91	31.04
225.0	3.75		13.28		4.80	30.88
230.0	3.83		13.02			30.44
235.0	3.92		12.91			30.19
240.0	4.00		12.98			29.91
245.0	4.08		12.78			29.56
250.0	4.17		12.83			29.08
255.0	4.25		12.55			28.85
260.0	4.33		12.46			28.67
265.0	4.42		12.15			28.42
270.0	4.50		12.11			27.97
275.0	4.58		12.33			27.62
280.0	4.67		12.15			27.48
285.0	4.75		12.12			27.12
290.0	4.83		11.98			27.06
295.0	4.92		12.18			26.83
300.0	5.00		11.66			26.58
305.0	5.08		11.83			
310.0	5.17		11.69			
315.0	5.25		11.54			
320.0	5.33		11.62			
325.0	5.42		11.93			
330.0	5.50		11.49			
335.0	5.58		11.43			
340.0	5.67		11.11			
345.0	5.75		11.22			
350.0	5.83		11.16			

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP6-2.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-6-2		
Location:	Bridgeton Landfill		
Sounding Date:	19-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	124
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	61		
Longest Trace - Depth (m):	14.850		
Longest Trace - Depth (ft):	48.720		
Longest Trace - Duration (s):	300.0		
Longest Trace - Duration (min):	5.00		
Longest Trace - Duration (hrs):	0.083		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	9.550	14.850
		Depth (ft)	31.332	48.720
0.0	0.00		3.02	3.83
5.0	0.08		5.04	3.92
10.0	0.17		4.96	3.77
15.0	0.25		5.68	3.81
20.0	0.33		6.03	3.86
25.0	0.42		5.97	3.86
30.0	0.50		6.08	3.84
35.0	0.58		6.06	3.69
40.0	0.67		6.06	3.72
45.0	0.75		6.06	3.71
50.0	0.83		6.05	3.74
55.0	0.92		5.93	3.68
60.0	1.00		5.98	3.79
65.0	1.08		5.78	3.70
70.0	1.17		5.87	3.74
75.0	1.25		5.72	3.76
80.0	1.33		5.67	3.68
85.0	1.42		5.63	3.70
90.0	1.50		5.54	3.72
95.0	1.58		5.33	3.73
100.0	1.67		5.45	3.69
105.0	1.75		5.28	3.63
110.0	1.83		5.29	3.70
115.0	1.92		5.22	3.60
120.0	2.00		5.30	3.57
125.0	2.08		5.28	3.62
130.0	2.17		5.16	3.60

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	9.550	14.850
		Depth (ft)	31.332	48.720
135.0	2.25		5.09	3.68
140.0	2.33		5.07	3.72
145.0	2.42		5.06	3.64
150.0	2.50		5.00	3.64
155.0	2.58		4.94	3.65
160.0	2.67		4.97	3.67
165.0	2.75		4.90	3.61
170.0	2.83		4.85	3.60
175.0	2.92		4.95	3.56
180.0	3.00		4.80	3.57
185.0	3.08		4.79	3.62
190.0	3.17		4.84	3.64
195.0	3.25		4.75	3.58
200.0	3.33		4.74	3.65
205.0	3.42		4.80	3.55
210.0	3.50		4.73	3.57
215.0	3.58		4.73	3.58
220.0	3.67		4.64	3.57
225.0	3.75		4.68	3.64
230.0	3.83		4.71	3.62
235.0	3.92		4.65	3.55
240.0	4.00		4.69	3.50
245.0	4.08		4.69	3.50
250.0	4.17		4.65	3.56
255.0	4.25		4.66	3.51
260.0	4.33		4.59	3.53
265.0	4.42		4.55	3.58
270.0	4.50		4.57	3.55
275.0	4.58		4.47	3.53
280.0	4.67		4.53	3.55
285.0	4.75		4.46	3.47
290.0	4.83		4.47	3.48
295.0	4.92		4.58	3.47
300.0	5.00		4.52	3.55

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP6-3.PPD
Job Number:	13-53075
Sounding ID:	GCPT-6-3
Location:	Bridgeton Landfill
Sounding Date:	19-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	2 Of 29
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	2
Longest Trace - Points:	61
Longest Trace - Depth (m):	12.150
Longest Trace - Depth (ft):	39.862
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.600	12.150
		Depth (ft)	21.653	39.862
0.0	0.00		3.56	5.32
5.0	0.08		3.91	5.28
10.0	0.17		3.97	5.17
15.0	0.25		4.03	5.07
20.0	0.33		4.24	5.12
25.0	0.42		4.28	5.00
30.0	0.50		4.34	4.82
35.0	0.58		4.33	4.73
40.0	0.67		4.35	4.60
45.0	0.75		4.37	4.61
50.0	0.83		4.39	4.55
55.0	0.92		4.29	4.45
60.0	1.00		4.38	4.39
65.0	1.08		4.25	4.34
70.0	1.17		4.24	4.32
75.0	1.25		4.27	4.32
80.0	1.33		4.34	4.23
85.0	1.42		4.26	4.23
90.0	1.50		4.34	4.15
95.0	1.58		4.24	4.07
100.0	1.67		4.36	4.09
105.0	1.75		4.33	4.11
110.0	1.83		4.39	4.02
115.0	1.92		4.27	3.97
120.0	2.00		4.38	3.97
125.0	2.08		4.28	3.90
130.0	2.17		4.43	3.75

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.600	12.150
		Depth (ft)	21.653	39.862
135.0	2.25		4.41	3.82
140.0	2.33		4.40	3.85
145.0	2.42		4.53	3.74
150.0	2.50		4.47	3.71
155.0	2.58		4.37	3.75
160.0	2.67		4.56	3.70
165.0	2.75		4.42	3.66
170.0	2.83		4.43	3.63
175.0	2.92		4.52	3.64
180.0	3.00		4.41	3.57
185.0	3.08		4.38	3.65
190.0	3.17		4.60	3.62
195.0	3.25		4.49	3.56
200.0	3.33		4.58	3.58
205.0	3.42		4.44	3.57
210.0	3.50		4.48	3.69
215.0	3.58		4.40	3.55
220.0	3.67		4.46	3.51
225.0	3.75		4.38	3.58
230.0	3.83		4.44	3.58
235.0	3.92		4.51	3.59
240.0	4.00		4.51	3.63
245.0	4.08		4.43	3.57
250.0	4.17		4.52	3.56
255.0	4.25		4.41	3.51
260.0	4.33		4.49	3.50
265.0	4.42		4.47	3.59
270.0	4.50		4.51	3.39
275.0	4.58		4.53	3.53
280.0	4.67		4.48	3.43
285.0	4.75		4.42	3.46
290.0	4.83		4.57	3.47
295.0	4.92		4.57	3.51
300.0	5.00		4.57	3.54

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP6-4.PPD
Job Number:	13-53075
Sounding ID:	GCPT-6-4
Location:	Bridgeton Landfill
Sounding Date:	16-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	2 Of 72
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	71
Longest Trace - Depth (m):	6.100
Longest Trace - Depth (ft):	20.013
Longest Trace - Duration (s):	350.0
Longest Trace - Duration (min):	5.83
Longest Trace - Duration (hrs):	0.097
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 71	2 47
		Depth (m)	6.100	7.800
		Depth (ft)	20.013	25.590
0.0	0.00		3.97	2.53
5.0	0.08		3.97	1.55
10.0	0.17		3.86	2.09
15.0	0.25		4.03	2.18
20.0	0.33		3.80	2.21
25.0	0.42		3.83	2.21
30.0	0.50		3.91	2.21
35.0	0.58		3.88	2.19
40.0	0.67		3.85	2.12
45.0	0.75		3.82	2.19
50.0	0.83		3.86	2.19
55.0	0.92		3.86	2.19
60.0	1.00		3.82	2.19
65.0	1.08		3.82	2.19
70.0	1.17		3.76	2.18
75.0	1.25		3.78	2.14
80.0	1.33		3.79	2.13
85.0	1.42		3.82	2.10
90.0	1.50		3.75	2.15
95.0	1.58		3.82	2.10
100.0	1.67		3.71	2.06
105.0	1.75		3.77	2.05
110.0	1.83		3.83	2.08
115.0	1.92		3.66	2.12
120.0	2.00		3.76	2.06
125.0	2.08		3.84	1.98
130.0	2.17		3.74	2.07

Time (s)	Time (min)	Trace No. Trace Points	1 71	2 47
		Depth (m)	6.100	7.800
		Depth (ft)	20.013	25.590
135.0	2.25		3.71	2.06
140.0	2.33		3.85	1.99
145.0	2.42		3.75	1.97
150.0	2.50		3.71	1.99
155.0	2.58		3.75	1.93
160.0	2.67		3.73	1.92
165.0	2.75		3.73	1.95
170.0	2.83		3.79	1.95
175.0	2.92		3.68	1.88
180.0	3.00		3.73	1.87
185.0	3.08		3.69	1.87
190.0	3.17		3.80	1.81
195.0	3.25		3.68	1.75
200.0	3.33		3.67	1.80
205.0	3.42		3.68	1.72
210.0	3.50		3.61	1.85
215.0	3.58		3.58	1.71
220.0	3.67		3.54	1.69
225.0	3.75		3.68	1.74
230.0	3.83		3.61	1.78
235.0	3.92		3.59	
240.0	4.00		3.75	
245.0	4.08		3.63	
250.0	4.17		3.63	
255.0	4.25		3.70	
260.0	4.33		3.66	
265.0	4.42		3.64	
270.0	4.50		3.58	
275.0	4.58		3.63	
280.0	4.67		3.62	
285.0	4.75		3.61	
290.0	4.83		3.49	
295.0	4.92		3.56	
300.0	5.00		3.69	
305.0	5.08		3.52	
310.0	5.17		3.57	
315.0	5.25		3.59	
320.0	5.33		3.54	
325.0	5.42		3.48	
330.0	5.50		3.58	
335.0	5.58		3.58	
340.0	5.67		3.57	
345.0	5.75		3.53	
350.0	5.83		3.57	

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP6-5.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-6-5		
Location:	Bridgeton Landfill		
Sounding Date:	16-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	144
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	61		
Longest Trace - Depth (m):	16.800		
Longest Trace - Depth (ft):	55.117		
Longest Trace - Duration (s):	300.0		
Longest Trace - Duration (min):	5.00		
Longest Trace - Duration (hrs):	0.083		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.100	16.800
		Depth (ft)	20.013	55.117
0.0	0.00		2.85	2.37
5.0	0.08		2.91	2.77
10.0	0.17		3.04	2.96
15.0	0.25		3.02	3.09
20.0	0.33		2.92	3.12
25.0	0.42		2.82	3.07
30.0	0.50		2.88	3.11
35.0	0.58		3.00	3.13
40.0	0.67		2.79	3.08
45.0	0.75		2.94	3.11
50.0	0.83		2.87	3.07
55.0	0.92		2.90	3.08
60.0	1.00		2.84	3.08
65.0	1.08		2.81	3.17
70.0	1.17		2.85	3.11
75.0	1.25		2.80	3.12
80.0	1.33		2.87	3.03
85.0	1.42		2.94	3.09
90.0	1.50		2.78	3.04
95.0	1.58		2.80	3.03
100.0	1.67		2.83	3.03
105.0	1.75		2.81	3.06
110.0	1.83		2.92	3.04
115.0	1.92		2.92	3.01
120.0	2.00		2.82	3.06
125.0	2.08		2.96	3.11
130.0	2.17		2.84	3.05

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.100	16.800
		Depth (ft)	20.013	55.117
135.0	2.25		2.86	3.01
140.0	2.33		2.94	3.01
145.0	2.42		2.92	3.00
150.0	2.50		3.04	3.05
155.0	2.58		2.92	3.02
160.0	2.67		2.81	2.98
165.0	2.75		2.87	3.05
170.0	2.83		2.95	3.11
175.0	2.92		2.81	3.01
180.0	3.00		3.01	3.14
185.0	3.08		3.06	3.20
190.0	3.17		2.96	3.20
195.0	3.25		2.92	3.18
200.0	3.33		3.01	3.18
205.0	3.42		2.86	3.13
210.0	3.50		2.99	3.20
215.0	3.58		3.03	3.24
220.0	3.67		3.03	3.32
225.0	3.75		3.07	3.29
230.0	3.83		2.98	3.24
235.0	3.92		2.99	3.25
240.0	4.00		3.12	3.21
245.0	4.08		3.10	3.34
250.0	4.17		3.07	3.27
255.0	4.25		3.10	3.35
260.0	4.33		2.94	3.37
265.0	4.42		3.15	3.45
270.0	4.50		3.04	3.44
275.0	4.58		3.05	3.36
280.0	4.67		3.19	3.38
285.0	4.75		3.11	3.36
290.0	4.83		3.16	3.38
295.0	4.92		3.09	3.38
300.0	5.00		3.03	3.32

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP6-6.PPD
Job Number:	13-53075
Sounding ID:	GCPT-6-6
Location:	Bridgeton Landfill
Sounding Date:	06-Feb-2014
Cone Area (sq cm):	15.0
Number Of Reported Traces:	3 Of 21
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	3
Longest Trace - Points:	62
Longest Trace - Depth (m):	12.700
Longest Trace - Depth (ft):	41.666
Longest Trace - Duration (s):	305.0
Longest Trace - Duration (min):	5.08
Longest Trace - Duration (hrs):	0.085
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 29	3 62
		Depth (m)	7.150	9.600	12.700
		Depth (ft)	23.458	31.496	41.666
0.0	0.00		-2.37	5.29	34.00
5.0	0.08		1.74	5.79	15.83
10.0	0.17		1.26	6.18	11.65
15.0	0.25		1.01	6.53	10.78
20.0	0.33		0.86	6.43	10.06
25.0	0.42		1.10	6.59	9.63
30.0	0.50		0.84	6.48	9.20
35.0	0.58		1.00	6.55	8.75
40.0	0.67		0.82	6.43	8.33
45.0	0.75		0.98	6.40	7.96
50.0	0.83		0.92	6.11	7.55
55.0	0.92		0.97	6.37	7.32
60.0	1.00		0.95	6.38	6.97
65.0	1.08		0.73	6.42	6.83
70.0	1.17		1.05	6.29	6.72
75.0	1.25		0.83	6.36	6.66
80.0	1.33		0.94	6.32	6.65
85.0	1.42		0.87	6.23	6.56
90.0	1.50		0.88	6.19	6.21
95.0	1.58		0.84	6.11	6.05
100.0	1.67		0.76	6.04	5.94
105.0	1.75		1.02	5.88	5.79
110.0	1.83		0.71	6.04	5.72
115.0	1.92		0.90	5.85	5.67
120.0	2.00		0.57	5.80	5.58
125.0	2.08		0.53	5.95	5.46
130.0	2.17		0.64	5.73	5.43

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 29	3 62
		Depth (m)	7.150	9.600	12.700
		Depth (ft)	23.458	31.496	41.666
135.0	2.25		0.65	5.93	5.34
140.0	2.33		0.82		5.38
145.0	2.42		1.00		4.98
150.0	2.50		0.83		5.19
155.0	2.58		0.84		4.92
160.0	2.67		0.61		4.94
165.0	2.75		0.74		4.94
170.0	2.83		0.90		4.76
175.0	2.92		0.73		4.86
180.0	3.00		1.00		4.73
185.0	3.08		0.63		4.59
190.0	3.17		0.90		4.61
195.0	3.25		1.11		4.68
200.0	3.33		0.97		4.44
205.0	3.42		0.93		4.43
210.0	3.50		0.95		4.43
215.0	3.58		1.08		4.31
220.0	3.67		1.00		4.47
225.0	3.75		1.12		4.21
230.0	3.83		1.15		4.40
235.0	3.92		0.93		4.27
240.0	4.00		1.08		4.14
245.0	4.08		1.08		4.06
250.0	4.17		1.07		4.16
255.0	4.25		1.21		4.28
260.0	4.33		1.15		4.11
265.0	4.42		1.18		3.95
270.0	4.50		1.15		4.05
275.0	4.58		1.19		4.20
280.0	4.67		1.11		3.86
285.0	4.75		1.34		3.99
290.0	4.83		1.28		3.88
295.0	4.92		1.18		4.00
300.0	5.00		1.27		3.84
305.0	5.08				3.79

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP7-1.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-7-1		
Location:	Bridgeton Landfill		
Sounding Date:	15-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	24
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	71		
Longest Trace - Depth (m):	12.200		
Longest Trace - Depth (ft):	40.026		
Longest Trace - Duration (s):	350.0		
Longest Trace - Duration (min):	5.83		
Longest Trace - Duration (hrs):	0.097		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 71	2 71
		Depth (m)	6.100	12.200
		Depth (ft)	20.013	40.026
0.0	0.00		3.15	3.16
5.0	0.08		2.72	3.04
10.0	0.17		2.80	3.19
15.0	0.25		2.40	3.09
20.0	0.33		2.46	3.02
25.0	0.42		2.36	3.10
30.0	0.50		2.36	3.05
35.0	0.58		2.33	3.11
40.0	0.67		2.33	3.07
45.0	0.75		2.17	2.98
50.0	0.83		2.25	2.95
55.0	0.92		2.21	2.92
60.0	1.00		1.93	2.97
65.0	1.08		2.20	2.93
70.0	1.17		2.02	2.85
75.0	1.25		1.96	2.88
80.0	1.33		2.07	2.94
85.0	1.42		2.14	2.83
90.0	1.50		1.91	2.82
95.0	1.58		2.02	2.80
100.0	1.67		1.82	2.82
105.0	1.75		1.82	2.75
110.0	1.83		1.81	2.77
115.0	1.92		1.81	2.76
120.0	2.00		1.77	2.80
125.0	2.08		1.77	2.64
130.0	2.17		1.56	2.69

Time (s)	Time (min)	Trace No. Trace Points	1 71	2 71
		Depth (m)	6.100	12.200
		Depth (ft)	20.013	40.026
135.0	2.25		1.72	2.66
140.0	2.33		1.73	2.70
145.0	2.42		1.73	2.68
150.0	2.50		1.61	2.72
155.0	2.58		1.55	2.58
160.0	2.67		1.51	2.54
165.0	2.75		1.59	2.57
170.0	2.83		1.47	2.56
175.0	2.92		1.59	2.47
180.0	3.00		1.43	2.60
185.0	3.08		1.45	2.40
190.0	3.17		1.47	2.52
195.0	3.25		1.49	2.50
200.0	3.33		1.47	2.47
205.0	3.42		1.38	2.39
210.0	3.50		1.30	2.42
215.0	3.58		1.40	2.46
220.0	3.67		1.25	2.42
225.0	3.75		1.36	2.34
230.0	3.83		1.41	2.43
235.0	3.92		1.30	2.38
240.0	4.00		1.33	2.40
245.0	4.08		1.28	2.46
250.0	4.17		1.34	2.42
255.0	4.25		1.32	2.32
260.0	4.33		1.28	2.30
265.0	4.42		1.33	2.36
270.0	4.50		1.30	2.24
275.0	4.58		1.12	2.22
280.0	4.67		1.26	2.33
285.0	4.75		1.12	2.25
290.0	4.83		1.24	2.22
295.0	4.92		1.15	2.29
300.0	5.00		1.18	2.24
305.0	5.08		1.17	2.19
310.0	5.17		1.21	2.22
315.0	5.25		1.14	2.23
320.0	5.33		1.25	2.23
325.0	5.42		1.11	2.26
330.0	5.50		1.03	2.21
335.0	5.58		1.11	2.16
340.0	5.67		1.08	2.17
345.0	5.75		1.06	2.18
350.0	5.83		1.19	2.15

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP7-2.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-7-2		
Location:	Bridgeton Landfill		
Sounding Date:	19-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	101
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	61		
Longest Trace - Depth (m):	6.650		
Longest Trace - Depth (ft):	21.817		
Longest Trace - Duration (s):	300.0		
Longest Trace - Duration (min):	5.00		
Longest Trace - Duration (hrs):	0.083		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	2.800	6.650
		Depth (ft)	9.186	21.817
0.0	0.00		4.29	64.89
5.0	0.08		2.71	63.29
10.0	0.17		2.43	61.91
15.0	0.25		2.26	61.68
20.0	0.33		2.31	61.43
25.0	0.42		2.21	61.32
30.0	0.50		2.11	59.33
35.0	0.58		2.04	57.99
40.0	0.67		2.13	56.08
45.0	0.75		2.07	54.05
50.0	0.83		2.05	52.42
55.0	0.92		2.04	50.06
60.0	1.00		1.86	47.34
65.0	1.08		1.87	45.66
70.0	1.17		1.85	44.54
75.0	1.25		1.82	43.73
80.0	1.33		1.81	43.24
85.0	1.42		1.80	42.81
90.0	1.50		1.63	42.41
95.0	1.58		1.55	41.90
100.0	1.67		1.91	40.81
105.0	1.75		1.67	40.48
110.0	1.83		1.75	40.04
115.0	1.92		1.70	39.65
120.0	2.00		1.78	39.21
125.0	2.08		1.68	38.96
130.0	2.17		1.72	38.66

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	2.800	6.650
		Depth (ft)	9.186	21.817
135.0	2.25		1.65	37.95
140.0	2.33		1.73	37.40
145.0	2.42		1.59	36.74
150.0	2.50		1.71	36.24
155.0	2.58		1.63	35.78
160.0	2.67		1.44	35.23
165.0	2.75		1.70	34.63
170.0	2.83		1.47	33.92
175.0	2.92		1.61	33.50
180.0	3.00		1.53	33.02
185.0	3.08		1.45	32.95
190.0	3.17		1.43	32.30
195.0	3.25		1.53	32.03
200.0	3.33		1.48	31.91
205.0	3.42		1.40	31.79
210.0	3.50		1.37	31.39
215.0	3.58		1.54	31.21
220.0	3.67		1.38	30.76
225.0	3.75		1.54	30.46
230.0	3.83		1.48	30.19
235.0	3.92		1.32	30.07
240.0	4.00		1.49	29.76
245.0	4.08		1.38	29.57
250.0	4.17		1.39	29.19
255.0	4.25		1.30	29.16
260.0	4.33		1.50	28.87
265.0	4.42		1.28	28.73
270.0	4.50		1.33	28.55
275.0	4.58		1.40	28.18
280.0	4.67		1.38	28.29
285.0	4.75		1.35	28.12
290.0	4.83		1.39	27.88
295.0	4.92		1.39	27.86
300.0	5.00		1.26	27.74

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP7-3.PPD
Job Number:	13-53075
Sounding ID:	GCPT-7-3
Location:	Bridgeton Landfill
Sounding Date:	16-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	2 Of 33
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	2
Longest Trace - Points:	61
Longest Trace - Depth (m):	16.600
Longest Trace - Depth (ft):	54.461
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	5.350	16.600
		Depth (ft)	17.552	54.461
0.0	0.00		8.25	9.88
5.0	0.08		10.86	9.99
10.0	0.17		11.45	9.93
15.0	0.25		11.50	9.84
20.0	0.33		11.68	9.82
25.0	0.42		11.77	9.72
30.0	0.50		11.99	9.66
35.0	0.58		12.09	9.64
40.0	0.67		12.38	9.47
45.0	0.75		12.39	9.40
50.0	0.83		12.62	9.42
55.0	0.92		12.68	9.34
60.0	1.00		12.81	9.31
65.0	1.08		13.05	9.28
70.0	1.17		13.01	9.17
75.0	1.25		13.21	9.10
80.0	1.33		13.33	9.05
85.0	1.42		13.39	9.01
90.0	1.50		13.43	8.93
95.0	1.58		13.55	8.99
100.0	1.67		13.68	8.91
105.0	1.75		13.72	8.78
110.0	1.83		13.95	8.94
115.0	1.92		13.91	8.74
120.0	2.00		13.96	8.64
125.0	2.08		14.16	8.61
130.0	2.17		14.12	8.59

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	5.350	16.600
		Depth (ft)	17.552	54.461
135.0	2.25		14.15	8.50
140.0	2.33		14.25	8.44
145.0	2.42		14.15	8.42
150.0	2.50		14.34	8.41
155.0	2.58		14.37	8.32
160.0	2.67		14.43	8.26
165.0	2.75		14.56	8.21
170.0	2.83		14.57	8.18
175.0	2.92		14.57	8.16
180.0	3.00		14.58	8.15
185.0	3.08		14.65	8.05
190.0	3.17		14.67	8.02
195.0	3.25		14.62	8.01
200.0	3.33		14.74	7.90
205.0	3.42		14.72	7.93
210.0	3.50		14.84	7.84
215.0	3.58		14.79	7.83
220.0	3.67		14.76	7.76
225.0	3.75		14.95	7.70
230.0	3.83		14.94	7.68
235.0	3.92		14.99	7.67
240.0	4.00		15.00	7.71
245.0	4.08		15.12	7.56
250.0	4.17		14.98	7.62
255.0	4.25		15.08	7.58
260.0	4.33		14.86	7.46
265.0	4.42		15.07	7.48
270.0	4.50		15.00	7.45
275.0	4.58		14.94	7.42
280.0	4.67		15.00	7.50
285.0	4.75		15.00	7.41
290.0	4.83		15.02	7.41
295.0	4.92		14.91	7.39
300.0	5.00		14.94	7.28

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP8-1.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-8-1		
Location:	Bridgeton Landfill		
Sounding Date:	15-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	30
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	91		
Longest Trace - Depth (m):	14.700		
Longest Trace - Depth (ft):	48.228		
Longest Trace - Duration (s):	450.0		
Longest Trace - Duration (min):	7.50		
Longest Trace - Duration (hrs):	0.125		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 91
		Depth (m)	6.200	14.700
		Depth (ft)	20.341	48.228
0.0	0.00		0.55	18.39
5.0	0.08		0.32	18.07
10.0	0.17		0.15	17.87
15.0	0.25		0.10	17.62
20.0	0.33		0.09	17.39
25.0	0.42		0.05	17.21
30.0	0.50		-0.09	17.06
35.0	0.58		-0.11	16.92
40.0	0.67		-0.02	16.78
45.0	0.75		0.01	16.62
50.0	0.83		-0.21	16.51
55.0	0.92		-0.19	16.48
60.0	1.00		-0.22	16.20
65.0	1.08		-0.20	16.14
70.0	1.17		-0.23	16.04
75.0	1.25		-0.20	15.80
80.0	1.33		-0.18	15.75
85.0	1.42		-0.08	15.71
90.0	1.50		-0.12	15.54
95.0	1.58		-0.24	15.49
100.0	1.67		-0.16	15.33
105.0	1.75		-0.18	15.34
110.0	1.83		-0.23	15.28
115.0	1.92		-0.12	15.15
120.0	2.00		-0.14	15.13
125.0	2.08		-0.20	15.02
130.0	2.17		-0.10	14.98

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 91
		Depth (m)	6.200	14.700
		Depth (ft)	20.341	48.228
135.0	2.25		-0.19	14.85
140.0	2.33		-0.09	14.71
145.0	2.42		-0.14	14.69
150.0	2.50		-0.24	14.64
155.0	2.58		-0.01	14.62
160.0	2.67		-0.09	14.52
165.0	2.75		-0.12	14.47
170.0	2.83		-0.11	14.36
175.0	2.92		-0.08	14.34
180.0	3.00		-0.10	14.43
185.0	3.08		-0.03	14.21
190.0	3.17		-0.04	14.20
195.0	3.25		-0.02	14.16
200.0	3.33		0.03	14.05
205.0	3.42		-0.03	14.00
210.0	3.50		-0.06	14.00
215.0	3.58		-0.02	13.89
220.0	3.67		-0.00	13.80
225.0	3.75		0.03	13.78
230.0	3.83		0.01	13.83
235.0	3.92		0.06	13.70
240.0	4.00		0.04	13.70
245.0	4.08		0.08	13.59
250.0	4.17		0.08	13.51
255.0	4.25		0.03	13.53
260.0	4.33		0.07	13.44
265.0	4.42		0.06	13.45
270.0	4.50		0.20	13.30
275.0	4.58		0.17	13.30
280.0	4.67		0.17	13.25
285.0	4.75		0.18	13.29
290.0	4.83		0.18	13.22
295.0	4.92		0.21	13.15
300.0	5.00		0.11	13.14
305.0	5.08			13.10
310.0	5.17			12.97
315.0	5.25			12.96
320.0	5.33			12.92
325.0	5.42			12.85
330.0	5.50			12.81
335.0	5.58			12.81
340.0	5.67			12.68
345.0	5.75			12.69
350.0	5.83			12.82
355.0	5.92			12.61
360.0	6.00			12.65
365.0	6.08			12.66
370.0	6.17			12.54
375.0	6.25			12.52
380.0	6.33			12.52
385.0	6.42			12.35
390.0	6.50			12.39
395.0	6.58			12.50

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 91
		Depth (m)	6.200	14.700
		Depth (ft)	20.341	48.228
400.0	6.67			12.38
405.0	6.75			12.36
410.0	6.83			12.34
415.0	6.92			12.25
420.0	7.00			12.25
425.0	7.08			12.24
430.0	7.17			12.25
435.0	7.25			12.11
440.0	7.33			12.08
445.0	7.42			12.10
450.0	7.50			12.14

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP9-1.PPD
Job Number:	13-53075
Sounding ID:	GCPT-9-1
Location:	Bridgeton Landfill
Sounding Date:	15-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	2 Of 31
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	2
Longest Trace - Points:	71
Longest Trace - Depth (m):	13.750
Longest Trace - Depth (ft):	45.111
Longest Trace - Duration (s):	350.0
Longest Trace - Duration (min):	5.83
Longest Trace - Duration (hrs):	0.097
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 71
		Depth (m)	6.100	13.750
		Depth (ft)	20.013	45.111
0.0	0.00		0.77	4.82
5.0	0.08		0.98	4.80
10.0	0.17		0.75	4.93
15.0	0.25		0.65	4.85
20.0	0.33		0.43	4.93
25.0	0.42		0.46	4.97
30.0	0.50		0.28	4.81
35.0	0.58		0.38	4.82
40.0	0.67		0.35	4.78
45.0	0.75		0.36	4.75
50.0	0.83		0.34	4.80
55.0	0.92		0.18	4.86
60.0	1.00		0.20	4.80
65.0	1.08		0.25	4.64
70.0	1.17		0.16	4.70
75.0	1.25		0.19	4.58
80.0	1.33		0.20	4.65
85.0	1.42		0.29	4.67
90.0	1.50		0.18	4.61
95.0	1.58		0.21	4.58
100.0	1.67		0.34	4.57
105.0	1.75		0.35	4.49
110.0	1.83		0.33	4.46
115.0	1.92		0.50	4.47
120.0	2.00		0.44	4.42
125.0	2.08		0.40	4.40
130.0	2.17		0.43	4.34

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 71
		Depth (m)	6.100	13.750
		Depth (ft)	20.013	45.111
135.0	2.25		0.53	4.36
140.0	2.33		0.34	4.32
145.0	2.42		0.36	4.27
150.0	2.50		0.49	4.23
155.0	2.58		0.32	4.21
160.0	2.67		0.25	4.20
165.0	2.75		0.33	4.17
170.0	2.83		0.28	4.18
175.0	2.92		0.40	4.12
180.0	3.00		0.28	4.14
185.0	3.08		0.43	4.09
190.0	3.17		0.51	4.05
195.0	3.25		0.38	4.12
200.0	3.33		0.45	3.94
205.0	3.42		0.37	4.01
210.0	3.50		0.46	3.90
215.0	3.58		0.36	3.99
220.0	3.67		0.42	3.90
225.0	3.75		0.41	3.88
230.0	3.83		0.31	3.91
235.0	3.92		0.47	3.80
240.0	4.00		0.39	3.88
245.0	4.08		0.40	3.87
250.0	4.17		0.49	3.85
255.0	4.25		0.31	3.86
260.0	4.33		0.37	3.79
265.0	4.42		0.42	3.83
270.0	4.50		0.33	3.75
275.0	4.58		0.40	3.83
280.0	4.67		0.29	3.77
285.0	4.75		0.61	3.70
290.0	4.83		0.38	3.74
295.0	4.92		0.48	3.69
300.0	5.00		0.32	3.67
305.0	5.08			3.77
310.0	5.17			3.65
315.0	5.25			3.59
320.0	5.33			3.63
325.0	5.42			3.66
330.0	5.50			3.56
335.0	5.58			3.64
340.0	5.67			3.54
345.0	5.75			3.60
350.0	5.83			3.59

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP9-2.PPD
Job Number:	13-53075
Sounding ID:	GCPT-9-2
Location:	Bridgeton Landfill
Sounding Date:	19-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	2 Of 61
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	2
Longest Trace - Points:	61
Longest Trace - Depth (m):	15.250
Longest Trace - Depth (ft):	50.032
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	2.300	15.250
		Depth (ft)	7.546	50.032
0.0	0.00		30.86	6.03
5.0	0.08		29.64	5.85
10.0	0.17		28.85	5.86
15.0	0.25		28.40	5.87
20.0	0.33		27.99	5.94
25.0	0.42		27.64	5.98
30.0	0.50		27.22	5.89
35.0	0.58		26.87	5.94
40.0	0.67		26.72	6.03
45.0	0.75		26.55	6.00
50.0	0.83		26.22	6.00
55.0	0.92		26.10	6.03
60.0	1.00		25.87	5.94
65.0	1.08		25.73	5.99
70.0	1.17		25.49	5.90
75.0	1.25		25.44	5.95
80.0	1.33		25.20	6.02
85.0	1.42		25.00	5.94
90.0	1.50		24.85	5.85
95.0	1.58		24.70	5.86
100.0	1.67		24.62	5.85
105.0	1.75		24.66	5.89
110.0	1.83		24.46	5.76
115.0	1.92		24.29	5.79
120.0	2.00		24.20	5.80
125.0	2.08		24.19	5.69
130.0	2.17		24.06	5.72

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	2.300	15.250
		Depth (ft)	7.546	50.032
135.0	2.25		23.89	5.74
140.0	2.33		23.84	5.76
145.0	2.42		23.74	5.66
150.0	2.50		23.58	5.71
155.0	2.58		23.57	5.67
160.0	2.67		23.45	5.68
165.0	2.75		23.26	5.66
170.0	2.83		23.19	5.67
175.0	2.92		23.18	5.58
180.0	3.00		23.11	5.59
185.0	3.08		23.12	5.66
190.0	3.17		22.90	5.60
195.0	3.25		22.75	5.54
200.0	3.33		22.87	5.57
205.0	3.42		22.65	5.45
210.0	3.50		22.63	5.56
215.0	3.58		22.61	5.52
220.0	3.67		22.38	5.42
225.0	3.75		22.46	5.60
230.0	3.83		22.30	5.46
235.0	3.92		22.35	5.53
240.0	4.00		22.22	5.53
245.0	4.08		22.21	5.51
250.0	4.17		22.07	5.44
255.0	4.25		22.07	5.45
260.0	4.33		22.00	5.48
265.0	4.42		21.93	5.44
270.0	4.50		21.87	5.46
275.0	4.58		21.82	5.41
280.0	4.67		21.74	5.49
285.0	4.75		21.66	5.35
290.0	4.83		21.59	5.43
295.0	4.92		21.48	5.37
300.0	5.00		21.60	5.44

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP9-3A.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-9-3A		
Location:	Bridgeton Landfill		
Sounding Date:	15-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	56
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	81		
Longest Trace - Depth (m):	15.250		
Longest Trace - Depth (ft):	50.032		
Longest Trace - Duration (s):	400.0		
Longest Trace - Duration (min):	6.67		
Longest Trace - Duration (hrs):	0.111		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 81
		Depth (m)	6.100	15.250
		Depth (ft)	20.013	50.032
0.0	0.00		0.13	2.62
5.0	0.08		-0.08	2.54
10.0	0.17		0.06	2.45
15.0	0.25		0.21	2.32
20.0	0.33		0.07	2.26
25.0	0.42		-0.08	2.25
30.0	0.50		0.27	2.21
35.0	0.58		0.22	2.22
40.0	0.67		0.36	2.29
45.0	0.75		0.34	2.22
50.0	0.83		0.31	2.26
55.0	0.92		0.34	2.26
60.0	1.00		0.42	2.20
65.0	1.08		0.45	2.21
70.0	1.17		0.30	2.05
75.0	1.25		0.44	2.08
80.0	1.33		0.44	2.17
85.0	1.42		0.48	2.08
90.0	1.50		0.38	2.05
95.0	1.58		0.41	2.10
100.0	1.67		0.51	2.02
105.0	1.75		0.48	1.94
110.0	1.83		0.43	2.05
115.0	1.92		0.53	2.00
120.0	2.00		0.60	1.94
125.0	2.08		0.45	1.90
130.0	2.17		0.54	1.92

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 81
		Depth (m)	6.100	15.250
		Depth (ft)	20.013	50.032
0.0	0.00		0.13	2.62
135.0	2.25		0.50	1.97
140.0	2.33		0.58	1.93
145.0	2.42		0.47	1.89
150.0	2.50		0.54	1.89
155.0	2.58		0.52	1.86
160.0	2.67		0.53	1.72
165.0	2.75		0.50	1.77
170.0	2.83		0.37	1.68
175.0	2.92		0.66	1.73
180.0	3.00		0.52	1.69
185.0	3.08		0.65	1.70
190.0	3.17		0.66	1.70
195.0	3.25		0.50	1.62
200.0	3.33		0.63	1.61
205.0	3.42		0.62	1.60
210.0	3.50		0.51	1.64
215.0	3.58		0.48	1.69
220.0	3.67		0.51	1.55
225.0	3.75		0.60	1.60
230.0	3.83		0.58	1.59
235.0	3.92		0.50	1.54
240.0	4.00		0.55	1.58
245.0	4.08		0.56	1.54
250.0	4.17		0.53	1.71
255.0	4.25		0.67	1.62
260.0	4.33		0.57	1.62
265.0	4.42		0.61	1.53
270.0	4.50		0.65	1.50
275.0	4.58		0.49	1.57
280.0	4.67		0.63	1.54
285.0	4.75		0.69	1.44
290.0	4.83		0.59	1.60
295.0	4.92		0.70	1.49
300.0	5.00		0.76	1.45
305.0	5.08			1.54
310.0	5.17			1.50
315.0	5.25			1.48
320.0	5.33			1.50
325.0	5.42			1.43
330.0	5.50			1.44
335.0	5.58			1.38
340.0	5.67			1.48
345.0	5.75			1.43
350.0	5.83			1.46
355.0	5.92			1.47
360.0	6.00			1.45
365.0	6.08			1.42
370.0	6.17			1.40
375.0	6.25			1.40
380.0	6.33			1.38
385.0	6.42			1.50
390.0	6.50			1.47

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 81
		Depth (m)	6.100	15.250
		Depth (ft)	20.013	50.032
0.0	0.00		0.13	2.62
395.0	6.58			1.39
400.0	6.67			1.47

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP9-4.PPD
Job Number:	13-53075
Sounding ID:	GCPT-9-4
Location:	Bridgeton Landfill
Sounding Date:	05-Feb-2014
Cone Area (sq cm):	15.0
Number Of Reported Traces:	2 Of 43
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	2
Longest Trace - Points:	61
Longest Trace - Depth (m):	16.050
Longest Trace - Depth (ft):	52.657
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	8.300	16.050
		Depth (ft)	27.231	52.657
0.0	0.00		4.90	7.32
5.0	0.08		5.28	7.44
10.0	0.17		4.99	7.47
15.0	0.25		5.09	7.29
20.0	0.33		4.82	7.24
25.0	0.42		4.64	7.65
30.0	0.50		4.48	7.43
35.0	0.58		4.61	7.59
40.0	0.67		4.43	7.33
45.0	0.75		4.51	7.19
50.0	0.83		4.37	7.20
55.0	0.92		4.24	7.29
60.0	1.00		4.14	7.39
65.0	1.08		4.09	7.18
70.0	1.17		4.20	6.98
75.0	1.25		4.10	7.31
80.0	1.33		3.82	6.95
85.0	1.42		3.91	7.23
90.0	1.50		3.99	7.08
95.0	1.58		3.74	6.91
100.0	1.67		3.71	6.88
105.0	1.75		3.83	6.89
110.0	1.83		3.73	6.82
115.0	1.92		3.68	6.89
120.0	2.00		3.96	6.80
125.0	2.08		3.63	6.96
130.0	2.17		3.74	6.58

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	8.300	16.050
		Depth (ft)	27.231	52.657
135.0	2.25		3.48	6.72
140.0	2.33		3.52	6.70
145.0	2.42		3.60	6.49
150.0	2.50		3.51	6.47
155.0	2.58		3.39	6.27
160.0	2.67		3.61	6.63
165.0	2.75		3.45	6.51
170.0	2.83		3.46	6.23
175.0	2.92		3.48	6.39
180.0	3.00		3.34	6.37
185.0	3.08		3.34	6.16
190.0	3.17		3.03	6.15
195.0	3.25		3.29	6.44
200.0	3.33		3.10	6.50
205.0	3.42		2.98	6.30
210.0	3.50		3.40	6.41
215.0	3.58		3.16	6.29
220.0	3.67		3.19	6.41
225.0	3.75		3.09	6.15
230.0	3.83		3.12	6.45
235.0	3.92		3.05	6.43
240.0	4.00		3.10	6.09
245.0	4.08		3.13	6.30
250.0	4.17		3.14	6.10
255.0	4.25		2.97	6.43
260.0	4.33		3.06	6.38
265.0	4.42		2.98	6.34
270.0	4.50		3.03	6.24
275.0	4.58		2.89	6.27
280.0	4.67		2.87	6.06
285.0	4.75		2.85	6.21
290.0	4.83		2.98	6.32
295.0	4.92		2.87	6.18
300.0	5.00		2.92	6.09

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP10-1.PPD
Job Number:	13-53075
Sounding ID:	GCPT-10-1
Location:	Bridgeton Landfill
Sounding Date:	19-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 79
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	31
Longest Trace - Depth (m):	5.350
Longest Trace - Depth (ft):	17.552
Longest Trace - Duration (s):	150.0
Longest Trace - Duration (min):	2.50
Longest Trace - Duration (hrs):	0.042
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 31
		Depth (m)	5.350
		Depth (ft)	17.552
0.0	0.00		12.64
5.0	0.08		5.65
10.0	0.17		4.73
15.0	0.25		4.53
20.0	0.33		4.43
25.0	0.42		4.08
30.0	0.50		3.87
35.0	0.58		3.76
40.0	0.67		3.62
45.0	0.75		3.56
50.0	0.83		3.35
55.0	0.92		3.30
60.0	1.00		3.25
65.0	1.08		3.14
70.0	1.17		3.07
75.0	1.25		3.01
80.0	1.33		2.88
85.0	1.42		2.77
90.0	1.50		2.63
95.0	1.58		2.59
100.0	1.67		2.55
105.0	1.75		2.58
110.0	1.83		2.65
115.0	1.92		2.54
120.0	2.00		2.45
125.0	2.08		2.46
130.0	2.17		2.52

Time (s)	Time (min)	Trace No. Trace Points	1 31
		Depth (m) Depth (ft)	5.350 17.552
135.0	2.25		2.46
140.0	2.33		2.58
145.0	2.42		2.56
150.0	2.50		2.62

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP10-2.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-10-2		
Location:	Bridgeton Landfill		
Sounding Date:	20-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	63
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	61		
Longest Trace - Depth (m):	16.200		
Longest Trace - Depth (ft):	53.149		
Longest Trace - Duration (s):	300.0		
Longest Trace - Duration (min):	5.00		
Longest Trace - Duration (hrs):	0.083		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.700	16.200
		Depth (ft)	21.981	53.149
0.0	0.00		1.69	2.18
5.0	0.08		1.43	2.20
10.0	0.17		1.24	2.11
15.0	0.25		1.24	2.23
20.0	0.33		1.05	2.20
25.0	0.42		0.93	2.16
30.0	0.50		1.00	2.13
35.0	0.58		1.05	2.11
40.0	0.67		0.88	2.16
45.0	0.75		0.84	2.09
50.0	0.83		0.81	2.14
55.0	0.92		0.70	2.10
60.0	1.00		0.65	2.22
65.0	1.08		0.70	2.20
70.0	1.17		0.67	2.16
75.0	1.25		0.73	2.18
80.0	1.33		0.64	2.17
85.0	1.42		0.55	2.02
90.0	1.50		0.65	2.16
95.0	1.58		0.71	2.22
100.0	1.67		0.63	2.10
105.0	1.75		0.57	2.15
110.0	1.83		0.61	2.23
115.0	1.92		0.75	2.14
120.0	2.00		0.68	2.25
125.0	2.08		0.62	2.18
130.0	2.17		0.62	2.17

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.700	16.200
		Depth (ft)	21.981	53.149
135.0	2.25		0.74	2.04
140.0	2.33		0.71	2.03
145.0	2.42		0.59	2.08
150.0	2.50		0.56	1.96
155.0	2.58		0.52	2.07
160.0	2.67		0.59	2.04
165.0	2.75		0.56	1.99
170.0	2.83		0.47	2.07
175.0	2.92		0.55	2.06
180.0	3.00		0.67	2.06
185.0	3.08		0.55	2.01
190.0	3.17		0.58	1.99
195.0	3.25		0.51	2.04
200.0	3.33		0.50	1.86
205.0	3.42		0.53	2.01
210.0	3.50		0.57	2.00
215.0	3.58		0.46	1.93
220.0	3.67		0.50	2.01
225.0	3.75		0.56	1.80
230.0	3.83		0.48	2.00
235.0	3.92		0.47	1.97
240.0	4.00		0.49	1.97
245.0	4.08		0.61	1.93
250.0	4.17		0.52	1.87
255.0	4.25		0.51	2.00
260.0	4.33		0.52	1.99
265.0	4.42		0.50	1.91
270.0	4.50		0.45	1.91
275.0	4.58		0.41	1.99
280.0	4.67		0.58	1.93
285.0	4.75		0.48	1.88
290.0	4.83		0.53	2.02
295.0	4.92		0.53	1.87
300.0	5.00		0.52	1.92

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP10-4A.PPD
Job Number:	13-53075
Sounding ID:	GCPT-10-4A
Location:	Bridgeton Landfill
Sounding Date:	18-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 35
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	122
Longest Trace - Depth (m):	11.650
Longest Trace - Depth (ft):	38.221
Longest Trace - Duration (s):	605.0
Longest Trace - Duration (min):	10.08
Longest Trace - Duration (hrs):	0.168
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 122
		Depth (m)	11.650
		Depth (ft)	38.221
0.0	0.00		8.22
5.0	0.08		8.86
10.0	0.17		8.86
15.0	0.25		9.07
20.0	0.33		9.22
25.0	0.42		9.27
30.0	0.50		9.38
35.0	0.58		9.47
40.0	0.67		9.63
45.0	0.75		9.71
50.0	0.83		9.75
55.0	0.92		9.88
60.0	1.00		9.97
65.0	1.08		9.98
70.0	1.17		10.04
75.0	1.25		10.15
80.0	1.33		10.17
85.0	1.42		10.22
90.0	1.50		10.37
95.0	1.58		10.34
100.0	1.67		10.37
105.0	1.75		10.30
110.0	1.83		10.40
115.0	1.92		10.42
120.0	2.00		10.36
125.0	2.08		10.52
130.0	2.17		10.36

Time (s)	Time (min)	Trace No. Trace Points	1 122
		Depth (m)	11.650
		Depth (ft)	38.221
135.0	2.25		10.42
140.0	2.33		10.50
145.0	2.42		10.47
150.0	2.50		10.48
155.0	2.58		10.49
160.0	2.67		10.54
165.0	2.75		10.55
170.0	2.83		10.53
175.0	2.92		10.56
180.0	3.00		10.49
185.0	3.08		10.53
190.0	3.17		10.60
195.0	3.25		10.64
200.0	3.33		10.58
205.0	3.42		10.58
210.0	3.50		10.59
215.0	3.58		10.63
220.0	3.67		10.67
225.0	3.75		10.62
230.0	3.83		10.52
235.0	3.92		10.49
240.0	4.00		10.64
245.0	4.08		10.51
250.0	4.17		10.63
255.0	4.25		10.68
260.0	4.33		10.67
265.0	4.42		10.60
270.0	4.50		10.69
275.0	4.58		10.57
280.0	4.67		10.58
285.0	4.75		10.59
290.0	4.83		10.61
295.0	4.92		10.60
300.0	5.00		10.60
305.0	5.08		10.71
310.0	5.17		10.63
315.0	5.25		10.64
320.0	5.33		10.59
325.0	5.42		10.61
330.0	5.50		10.66
335.0	5.58		10.51
340.0	5.67		10.61
345.0	5.75		10.58
350.0	5.83		10.73
355.0	5.92		10.58
360.0	6.00		10.53
365.0	6.08		10.53
370.0	6.17		10.56
375.0	6.25		10.55
380.0	6.33		10.53
385.0	6.42		10.55
390.0	6.50		10.67
395.0	6.58		10.63

Time (s)	Time (min)	Trace No. Trace Points	1 122
		Depth (m)	11.650
		Depth (ft)	38.221
400.0	6.67		10.61
405.0	6.75		10.64
410.0	6.83		10.58
415.0	6.92		10.61
420.0	7.00		10.58
425.0	7.08		10.60
430.0	7.17		10.51
435.0	7.25		10.63
440.0	7.33		10.59
445.0	7.42		10.56
450.0	7.50		10.55
455.0	7.58		10.51
460.0	7.67		10.49
465.0	7.75		10.53
470.0	7.83		10.52
475.0	7.92		10.49
480.0	8.00		10.53
485.0	8.08		10.53
490.0	8.17		10.45
495.0	8.25		10.51
500.0	8.33		10.49
505.0	8.42		10.58
510.0	8.50		10.42
515.0	8.58		10.56
520.0	8.67		10.47
525.0	8.75		10.46
530.0	8.83		10.52
535.0	8.92		10.58
540.0	9.00		10.63
545.0	9.08		10.56
550.0	9.17		10.56
555.0	9.25		10.50
560.0	9.33		10.63
565.0	9.42		10.62
570.0	9.50		10.58
575.0	9.58		10.56
580.0	9.67		10.62
585.0	9.75		10.58
590.0	9.83		10.57
595.0	9.92		10.66
600.0	10.00		10.63
605.0	10.08		10.63

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP11-1.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-11-1		
Location:	Bridgeton Landfill		
Sounding Date:	21-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	111
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	61		
Longest Trace - Depth (m):	14.000		
Longest Trace - Depth (ft):	45.931		
Longest Trace - Duration (s):	300.0		
Longest Trace - Duration (min):	5.00		
Longest Trace - Duration (hrs):	0.083		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 41	2 61
		Depth (m)	4.000	14.000
		Depth (ft)	13.123	45.931
0.0	0.00		5.95	11.37
5.0	0.08		6.91	10.87
10.0	0.17		6.75	10.59
15.0	0.25		6.10	10.42
20.0	0.33		5.23	10.26
25.0	0.42		4.94	10.10
30.0	0.50		4.34	10.00
35.0	0.58		3.79	9.81
40.0	0.67		3.30	9.74
45.0	0.75		2.98	9.61
50.0	0.83		2.76	9.54
55.0	0.92		2.63	9.40
60.0	1.00		2.18	9.33
65.0	1.08		2.19	9.32
70.0	1.17		1.98	9.12
75.0	1.25		1.89	9.10
80.0	1.33		1.86	8.94
85.0	1.42		1.73	8.96
90.0	1.50		1.47	9.17
95.0	1.58		1.53	8.81
100.0	1.67		1.40	8.77
105.0	1.75		1.06	8.54
110.0	1.83		1.23	8.69
115.0	1.92		1.22	8.58
120.0	2.00		1.17	8.44
125.0	2.08		1.05	8.46
130.0	2.17		0.96	8.45

Time (s)	Time (min)	Trace No. Trace Points	1 41	2 61
		Depth (m)	4.000	14.000
		Depth (ft)	13.123	45.931
135.0	2.25		1.10	8.29
140.0	2.33		0.71	8.30
145.0	2.42		0.67	8.22
150.0	2.50		0.73	8.23
155.0	2.58		0.65	8.21
160.0	2.67		0.58	8.09
165.0	2.75		0.60	8.10
170.0	2.83		0.58	8.03
175.0	2.92		0.51	8.02
180.0	3.00		0.63	8.02
185.0	3.08		0.60	7.91
190.0	3.17		0.40	7.92
195.0	3.25		0.49	7.89
200.0	3.33		0.49	7.85
205.0	3.42			7.93
210.0	3.50			7.85
215.0	3.58			7.76
220.0	3.67			7.70
225.0	3.75			7.71
230.0	3.83			7.61
235.0	3.92			7.72
240.0	4.00			7.63
245.0	4.08			7.56
250.0	4.17			7.55
255.0	4.25			7.59
260.0	4.33			7.56
265.0	4.42			7.48
270.0	4.50			7.46
275.0	4.58			7.42
280.0	4.67			7.57
285.0	4.75			7.36
290.0	4.83			7.38
295.0	4.92			7.37
300.0	5.00			7.27

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP11-2.PPD
Job Number:	13-53075
Sounding ID:	GCPT-11-2
Location:	Bridgeton Landfill
Sounding Date:	20-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	2 Of 57
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	2
Longest Trace - Points:	61
Longest Trace - Depth (m):	6.250
Longest Trace - Depth (ft):	20.505
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	3.050	6.250
		Depth (ft)	10.006	20.505
0.0	0.00		8.49	15.92
5.0	0.08		6.47	16.63
10.0	0.17		5.36	16.93
15.0	0.25		4.96	17.36
20.0	0.33		4.73	17.63
25.0	0.42		4.35	17.87
30.0	0.50		3.73	17.93
35.0	0.58		3.54	18.24
40.0	0.67		3.51	18.52
45.0	0.75		3.45	18.55
50.0	0.83		3.31	18.55
55.0	0.92		3.29	18.79
60.0	1.00		3.27	18.88
65.0	1.08		3.16	19.07
70.0	1.17		3.02	19.11
75.0	1.25		3.11	19.40
80.0	1.33		3.06	19.50
85.0	1.42		3.08	19.62
90.0	1.50		3.00	19.81
95.0	1.58		2.96	19.87
100.0	1.67		2.97	20.00
105.0	1.75		2.95	20.14
110.0	1.83		3.10	20.20
115.0	1.92		2.87	20.26
120.0	2.00		2.98	20.32
125.0	2.08		2.90	20.54
130.0	2.17		2.88	20.59

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	3.050	6.250
		Depth (ft)	10.006	20.505
135.0	2.25		2.88	20.70
140.0	2.33		2.88	20.77
145.0	2.42		2.97	20.87
150.0	2.50		3.00	20.92
155.0	2.58		2.94	21.01
160.0	2.67		2.85	21.01
165.0	2.75		2.81	21.11
170.0	2.83		2.90	21.13
175.0	2.92		2.84	21.24
180.0	3.00		2.97	21.27
185.0	3.08		2.76	21.25
190.0	3.17		2.78	21.24
195.0	3.25		2.90	21.33
200.0	3.33		2.94	21.44
205.0	3.42		2.90	21.38
210.0	3.50		2.89	21.48
215.0	3.58		2.82	21.56
220.0	3.67		2.92	21.50
225.0	3.75		2.94	21.70
230.0	3.83		2.79	21.66
235.0	3.92		2.81	21.67
240.0	4.00		2.96	21.60
245.0	4.08		2.78	21.62
250.0	4.17		2.84	21.63
255.0	4.25		2.91	21.62
260.0	4.33		2.87	21.55
265.0	4.42		2.91	21.61
270.0	4.50		2.85	21.70
275.0	4.58		2.78	21.64
280.0	4.67		2.82	21.49
285.0	4.75		2.80	21.62
290.0	4.83		2.97	21.60
295.0	4.92		2.76	21.55
300.0	5.00		2.75	21.34

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP11-3.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-11-3		
Location:	Bridgeton Landfill		
Sounding Date:	20-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	57
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	82		
Longest Trace - Depth (m):	16.300		
Longest Trace - Depth (ft):	53.477		
Longest Trace - Duration (s):	405.0		
Longest Trace - Duration (min):	6.75		
Longest Trace - Duration (hrs):	0.113		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 82
		Depth (m)	3.950	16.300
		Depth (ft)	12.959	53.477
0.0	0.00		10.49	7.58
5.0	0.08		10.60	7.60
10.0	0.17		10.64	7.77
15.0	0.25		10.63	7.57
20.0	0.33		10.69	7.64
25.0	0.42		10.63	7.61
30.0	0.50		10.64	7.58
35.0	0.58		10.55	7.51
40.0	0.67		10.67	7.51
45.0	0.75		10.64	7.49
50.0	0.83		10.77	7.49
55.0	0.92		10.71	7.52
60.0	1.00		10.78	7.47
65.0	1.08		10.82	7.49
70.0	1.17		10.69	7.50
75.0	1.25		10.89	7.47
80.0	1.33		10.78	7.51
85.0	1.42		10.68	7.37
90.0	1.50		10.67	7.42
95.0	1.58		10.84	7.33
100.0	1.67		10.75	7.46
105.0	1.75		10.86	7.43
110.0	1.83		10.82	7.36
115.0	1.92		10.78	7.33
120.0	2.00		10.87	7.27
125.0	2.08		10.91	7.24
130.0	2.17		10.81	7.22

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 82
		Depth (m)	3.950	16.300
		Depth (ft)	12.959	53.477
135.0	2.25		10.82	7.23
140.0	2.33		10.86	7.11
145.0	2.42		10.73	7.14
150.0	2.50		10.80	7.17
155.0	2.58		10.83	7.10
160.0	2.67		10.82	7.12
165.0	2.75		10.92	7.00
170.0	2.83		10.81	7.04
175.0	2.92		10.82	6.96
180.0	3.00		10.95	7.02
185.0	3.08		10.89	6.94
190.0	3.17		10.83	6.87
195.0	3.25		10.83	6.96
200.0	3.33		10.84	6.90
205.0	3.42		10.88	6.96
210.0	3.50		10.88	6.80
215.0	3.58		10.77	6.90
220.0	3.67		10.71	6.83
225.0	3.75		10.77	6.79
230.0	3.83		10.99	6.77
235.0	3.92		10.79	6.73
240.0	4.00		10.86	6.75
245.0	4.08		10.93	6.64
250.0	4.17		10.96	6.76
255.0	4.25		10.84	6.75
260.0	4.33		11.04	6.61
265.0	4.42		10.95	6.54
270.0	4.50		11.06	6.60
275.0	4.58		10.95	6.50
280.0	4.67		10.86	6.61
285.0	4.75		10.87	6.56
290.0	4.83		11.04	6.52
295.0	4.92		11.07	6.54
300.0	5.00		10.95	6.46
305.0	5.08			6.50
310.0	5.17			6.46
315.0	5.25			6.46
320.0	5.33			6.50
325.0	5.42			6.39
330.0	5.50			6.33
335.0	5.58			6.38
340.0	5.67			6.36
345.0	5.75			6.40
350.0	5.83			6.40
355.0	5.92			6.31
360.0	6.00			6.30
365.0	6.08			6.33
370.0	6.17			6.25
375.0	6.25			6.28
380.0	6.33			6.32
385.0	6.42			6.25
390.0	6.50			6.21
395.0	6.58			6.28

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 82
		Depth (m)	3.950	16.300
		Depth (ft)	12.959	53.477
400.0	6.67			6.12
405.0	6.75			6.29

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP12-1.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-12-1		
Location:	Bridgeton Landfill		
Sounding Date:	20-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	99
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	61		
Longest Trace - Depth (m):	9.450		
Longest Trace - Depth (ft):	31.004		
Longest Trace - Duration (s):	300.0		
Longest Trace - Duration (min):	5.00		
Longest Trace - Duration (hrs):	0.083		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	4.900	9.450
		Depth (ft)	16.076	31.004
0.0	0.00		6.31	2.38
5.0	0.08		4.88	2.46
10.0	0.17		4.87	2.70
15.0	0.25		4.78	2.78
20.0	0.33		4.95	2.74
25.0	0.42		5.12	2.76
30.0	0.50		5.16	2.78
35.0	0.58		5.43	2.87
40.0	0.67		5.38	2.85
45.0	0.75		5.62	2.85
50.0	0.83		5.80	2.89
55.0	0.92		6.10	2.86
60.0	1.00		6.13	2.78
65.0	1.08		6.28	2.88
70.0	1.17		6.55	2.93
75.0	1.25		6.77	2.94
80.0	1.33		6.94	2.91
85.0	1.42		6.96	2.92
90.0	1.50		7.30	2.91
95.0	1.58		7.24	3.01
100.0	1.67		7.56	2.97
105.0	1.75		7.62	2.90
110.0	1.83		7.76	2.95
115.0	1.92		8.01	2.87
120.0	2.00		8.07	2.89
125.0	2.08		8.41	2.89
130.0	2.17		8.22	3.01

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	4.900	9.450
		Depth (ft)	16.076	31.004
135.0	2.25		8.65	2.95
140.0	2.33		8.74	2.86
145.0	2.42		8.76	2.90
150.0	2.50		8.84	2.89
155.0	2.58		9.09	2.87
160.0	2.67		9.13	2.86
165.0	2.75		9.36	2.93
170.0	2.83		9.59	2.91
175.0	2.92		9.54	2.79
180.0	3.00		9.90	2.88
185.0	3.08		9.90	2.89
190.0	3.17		10.08	2.83
195.0	3.25		10.18	2.84
200.0	3.33		10.29	2.79
205.0	3.42		10.49	2.90
210.0	3.50		10.40	2.89
215.0	3.58		10.64	2.84
220.0	3.67		10.70	2.92
225.0	3.75		10.82	2.79
230.0	3.83		11.00	2.81
235.0	3.92		10.96	2.78
240.0	4.00		11.03	2.72
245.0	4.08		11.33	2.84
250.0	4.17		11.54	2.80
255.0	4.25		11.50	2.86
260.0	4.33		11.64	2.84
265.0	4.42		11.71	2.77
270.0	4.50		11.85	2.57
275.0	4.58		12.10	2.73
280.0	4.67		12.13	2.71
285.0	4.75		12.15	2.61
290.0	4.83		12.32	2.60
295.0	4.92		12.22	2.70
300.0	5.00		12.48	2.68

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP12-2.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-12-2		
Location:	Bridgeton Landfill		
Sounding Date:	20-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	49
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	61		
Longest Trace - Depth (m):	16.500		
Longest Trace - Depth (ft):	54.133		
Longest Trace - Duration (s):	300.0		
Longest Trace - Duration (min):	5.00		
Longest Trace - Duration (hrs):	0.083		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	3.850	16.500
		Depth (ft)	12.631	54.133
0.0	0.00		7.21	10.67
5.0	0.08		5.10	10.35
10.0	0.17		5.31	10.47
15.0	0.25		5.23	10.32
20.0	0.33		5.28	10.27
25.0	0.42		5.20	10.12
30.0	0.50		5.27	10.22
35.0	0.58		5.09	10.18
40.0	0.67		5.28	10.07
45.0	0.75		5.28	10.05
50.0	0.83		5.09	9.99
55.0	0.92		4.94	9.89
60.0	1.00		5.03	9.97
65.0	1.08		5.06	9.89
70.0	1.17		5.04	9.84
75.0	1.25		5.01	9.88
80.0	1.33		5.04	9.73
85.0	1.42		5.02	9.66
90.0	1.50		4.98	9.62
95.0	1.58		4.95	9.70
100.0	1.67		4.83	9.45
105.0	1.75		4.78	9.58
110.0	1.83		4.56	9.49
115.0	1.92		4.68	9.43
120.0	2.00		4.70	9.38
125.0	2.08		4.46	9.33
130.0	2.17		4.34	9.29

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	3.850	16.500
		Depth (ft)	12.631	54.133
135.0	2.25		4.36	9.21
140.0	2.33		4.51	9.17
145.0	2.42		4.54	9.16
150.0	2.50		4.29	9.16
155.0	2.58		4.43	9.00
160.0	2.67		4.40	9.02
165.0	2.75		4.13	8.96
170.0	2.83		4.02	8.98
175.0	2.92		3.93	8.94
180.0	3.00		4.02	8.94
185.0	3.08		4.05	8.83
190.0	3.17		3.96	8.74
195.0	3.25		3.87	8.77
200.0	3.33		3.84	8.71
205.0	3.42		3.69	8.67
210.0	3.50		3.70	8.69
215.0	3.58		3.60	8.61
220.0	3.67		3.69	8.51
225.0	3.75		3.66	8.51
230.0	3.83		3.50	8.54
235.0	3.92		3.60	8.54
240.0	4.00		3.64	8.50
245.0	4.08		3.56	8.42
250.0	4.17		3.38	8.50
255.0	4.25		3.40	8.37
260.0	4.33		3.40	8.34
265.0	4.42		3.40	8.30
270.0	4.50		3.39	8.32
275.0	4.58		3.46	8.34
280.0	4.67		3.38	8.17
285.0	4.75		3.43	8.26
290.0	4.83		3.35	8.31
295.0	4.92		3.28	8.20
300.0	5.00		3.33	8.18

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP12-3.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-12-3		
Location:	Bridgeton Landfill		
Sounding Date:	21-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	116
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	61		
Longest Trace - Depth (m):	16.550		
Longest Trace - Depth (ft):	54.297		
Longest Trace - Duration (s):	300.0		
Longest Trace - Duration (min):	5.00		
Longest Trace - Duration (hrs):	0.083		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.850	16.550
		Depth (ft)	22.473	54.297
0.0	0.00		4.88	10.44
5.0	0.08		7.35	7.98
10.0	0.17		7.60	9.09
15.0	0.25		4.76	9.05
20.0	0.33		5.15	8.74
25.0	0.42		5.93	8.48
30.0	0.50		6.45	8.13
35.0	0.58		3.95	7.79
40.0	0.67		3.76	7.58
45.0	0.75		3.53	7.28
50.0	0.83		3.43	7.05
55.0	0.92		3.77	7.06
60.0	1.00		3.71	6.85
65.0	1.08		3.74	6.63
70.0	1.17		4.44	6.49
75.0	1.25		5.05	6.25
80.0	1.33		4.52	6.26
85.0	1.42		3.90	6.05
90.0	1.50		3.55	5.95
95.0	1.58		3.39	5.87
100.0	1.67		3.45	5.71
105.0	1.75		3.45	5.62
110.0	1.83		3.46	5.58
115.0	1.92		3.52	5.48
120.0	2.00		3.83	5.41
125.0	2.08		4.09	5.35
130.0	2.17		4.20	5.21

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.850	16.550
		Depth (ft)	22.473	54.297
135.0	2.25		4.29	5.23
140.0	2.33		4.22	5.15
145.0	2.42		3.65	5.09
150.0	2.50		3.49	5.02
155.0	2.58		3.55	5.05
160.0	2.67		3.43	5.02
165.0	2.75		3.34	4.99
170.0	2.83		3.41	4.93
175.0	2.92		3.44	4.90
180.0	3.00		3.50	4.87
185.0	3.08		3.37	4.93
190.0	3.17		3.29	4.90
195.0	3.25		3.47	4.85
200.0	3.33		3.38	4.82
205.0	3.42		3.46	4.85
210.0	3.50		3.42	4.96
215.0	3.58		3.51	4.86
220.0	3.67		3.41	4.83
225.0	3.75		3.41	4.82
230.0	3.83		3.35	4.89
235.0	3.92		3.48	4.89
240.0	4.00		3.48	4.91
245.0	4.08		3.41	4.91
250.0	4.17		3.36	4.95
255.0	4.25		3.43	4.93
260.0	4.33		3.47	4.90
265.0	4.42		3.51	4.86
270.0	4.50		3.44	4.93
275.0	4.58		3.27	4.93
280.0	4.67		3.42	4.97
285.0	4.75		3.52	5.02
290.0	4.83		3.47	5.07
295.0	4.92		3.58	4.93
300.0	5.00		3.76	5.05

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP12-4.PPD
Job Number:	13-53075
Sounding ID:	GCPT-12-4
Location:	Bridgeton Landfill
Sounding Date:	21-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	3 Of 260
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	3
Longest Trace - Points:	61
Longest Trace - Depth (m):	15.600
Longest Trace - Depth (ft):	51.180
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 31	3 61
		Depth (m)	4.800	8.350	15.600
		Depth (ft)	15.748	27.395	51.180
0.0	0.00		1.50	48.86	5.41
5.0	0.08		2.05	23.85	5.32
10.0	0.17		1.61	20.79	5.62
15.0	0.25		1.62	20.55	5.78
20.0	0.33		1.74	20.60	5.59
25.0	0.42		1.80	20.43	5.76
30.0	0.50		1.95	20.35	5.86
35.0	0.58		1.87	20.13	5.75
40.0	0.67		1.80	20.09	5.85
45.0	0.75		1.79	19.82	5.92
50.0	0.83		1.87	19.74	5.99
55.0	0.92		1.85	19.56	5.88
60.0	1.00		1.77	19.20	5.88
65.0	1.08		1.84	19.16	5.94
70.0	1.17		1.77	19.09	5.87
75.0	1.25		1.76	18.90	5.90
80.0	1.33		1.72	18.84	5.76
85.0	1.42		1.89	18.75	5.78
90.0	1.50		1.97	18.56	5.71
95.0	1.58		1.82	18.45	5.76
100.0	1.67		1.85	18.24	5.78
105.0	1.75		1.89	18.06	5.68
110.0	1.83		1.86	17.92	5.65
115.0	1.92		1.93	17.77	5.70
120.0	2.00		1.85	17.74	5.62
125.0	2.08		1.92	17.55	5.59
130.0	2.17		1.91	17.41	5.62

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 31	3 61
		Depth (m)	4.800	8.350	15.600
		Depth (ft)	15.748	27.395	51.180
135.0	2.25		1.85	17.33	5.63
140.0	2.33		2.09	17.11	5.64
145.0	2.42		2.16	17.15	5.65
150.0	2.50		1.95	17.06	5.58
155.0	2.58		1.84		5.52
160.0	2.67		1.91		5.51
165.0	2.75		1.94		5.40
170.0	2.83		1.99		5.45
175.0	2.92		2.02		5.44
180.0	3.00		1.98		5.45
185.0	3.08		1.99		5.44
190.0	3.17		1.94		5.09
195.0	3.25		1.95		5.36
200.0	3.33		1.84		5.30
205.0	3.42		1.87		5.37
210.0	3.50		1.99		5.29
215.0	3.58		1.93		5.38
220.0	3.67		1.95		5.26
225.0	3.75		1.87		5.26
230.0	3.83		1.87		5.23
235.0	3.92		2.12		5.10
240.0	4.00		1.87		5.22
245.0	4.08		1.78		5.11
250.0	4.17		1.74		5.21
255.0	4.25		1.80		5.17
260.0	4.33		1.82		5.21
265.0	4.42		1.86		5.07
270.0	4.50		1.77		5.07
275.0	4.58		1.84		5.12
280.0	4.67		1.84		5.00
285.0	4.75		1.81		5.03
290.0	4.83		1.87		5.02
295.0	4.92		1.77		5.04
300.0	5.00		1.80		5.02

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP12-5.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-12-5		
Location:	Bridgeton Landfill		
Sounding Date:	21-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	163
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	61		
Longest Trace - Depth (m):	6.900		
Longest Trace - Depth (ft):	22.638		
Longest Trace - Duration (s):	300.0		
Longest Trace - Duration (min):	5.00		
Longest Trace - Duration (hrs):	0.083		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	2.950	6.900
		Depth (ft)	9.678	22.638
0.0	0.00		9.13	7.44
5.0	0.08		10.44	6.41
10.0	0.17		11.45	6.17
15.0	0.25		11.63	5.81
20.0	0.33		11.66	5.63
25.0	0.42		11.71	5.49
30.0	0.50		11.69	5.37
35.0	0.58		11.81	5.30
40.0	0.67		11.61	5.35
45.0	0.75		11.86	5.30
50.0	0.83		11.94	5.19
55.0	0.92		11.88	5.09
60.0	1.00		11.95	5.09
65.0	1.08		12.07	4.97
70.0	1.17		11.82	4.95
75.0	1.25		11.95	4.87
80.0	1.33		11.79	4.84
85.0	1.42		12.01	4.85
90.0	1.50		11.90	4.80
95.0	1.58		11.82	4.81
100.0	1.67		12.01	4.67
105.0	1.75		12.02	4.69
110.0	1.83		11.77	4.62
115.0	1.92		12.02	4.62
120.0	2.00		11.98	4.66
125.0	2.08		12.22	4.55
130.0	2.17		11.94	4.60

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	2.950	6.900
		Depth (ft)	9.678	22.638
135.0	2.25		12.03	4.63
140.0	2.33		12.04	4.65
145.0	2.42		12.10	4.61
150.0	2.50		11.88	4.56
155.0	2.58		12.05	4.56
160.0	2.67		12.05	4.38
165.0	2.75		11.97	4.62
170.0	2.83		12.15	4.45
175.0	2.92		12.11	4.48
180.0	3.00		12.15	4.51
185.0	3.08		12.16	4.48
190.0	3.17		12.15	4.43
195.0	3.25		12.06	4.35
200.0	3.33		12.28	4.38
205.0	3.42		12.21	4.31
210.0	3.50		12.14	4.44
215.0	3.58		12.16	4.39
220.0	3.67		12.21	4.29
225.0	3.75		12.32	4.37
230.0	3.83		12.27	4.39
235.0	3.92		12.26	4.43
240.0	4.00		12.36	4.35
245.0	4.08		12.28	4.43
250.0	4.17		12.45	4.34
255.0	4.25		12.32	4.38
260.0	4.33		12.45	4.36
265.0	4.42		12.37	4.32
270.0	4.50		12.34	4.39
275.0	4.58		12.36	4.38
280.0	4.67		12.33	4.38
285.0	4.75		12.54	4.40
290.0	4.83		12.52	4.39
295.0	4.92		12.67	4.38
300.0	5.00		12.66	4.26

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP12-6.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-12-6		
Location:	Bridgeton Landfill		
Sounding Date:	18-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	3	Of	38
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	182		
Longest Trace - Depth (m):	18.100		
Longest Trace - Depth (ft):	59.382		
Longest Trace - Duration (s):	905.0		
Longest Trace - Duration (min):	15.08		
Longest Trace - Duration (hrs):	0.251		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 90	2 182	3 50
		Depth (m)	7.550	18.100	19.100
		Depth (ft)	24.770	59.382	62.663
0.0	0.00		10.61	27.14	22.90
5.0	0.08		10.23	27.32	22.42
10.0	0.17		9.84	27.04	22.27
15.0	0.25		9.57	27.00	22.17
20.0	0.33		9.49	26.85	22.03
25.0	0.42		9.36	26.67	22.06
30.0	0.50		9.24	26.67	21.97
35.0	0.58		8.97	26.73	21.95
40.0	0.67		8.90	26.66	21.92
45.0	0.75		8.88	26.52	21.93
50.0	0.83		8.77	26.51	21.84
55.0	0.92		8.75	26.44	21.80
60.0	1.00		8.80	26.45	21.87
65.0	1.08		8.70	26.34	21.65
70.0	1.17		8.70	26.32	21.64
75.0	1.25		8.51	26.19	21.65
80.0	1.33		8.47	26.17	21.57
85.0	1.42		8.56	26.12	21.55
90.0	1.50		8.43	25.97	21.53
95.0	1.58		8.45	26.00	21.48
100.0	1.67		8.42	25.95	21.44
105.0	1.75		8.29	25.85	21.37
110.0	1.83		8.35	25.79	21.33
115.0	1.92		8.25	25.66	21.26
120.0	2.00		8.32	25.66	21.24
125.0	2.08		8.14	25.62	21.17
130.0	2.17		8.14	25.60	21.20

Time (s)	Time (min)	Trace No. Trace Points	1 90	2 182	3 50
		Depth (m)	7.550	18.100	19.100
		Depth (ft)	24.770	59.382	62.663
135.0	2.25		8.29	25.61	21.09
140.0	2.33		8.13	25.44	21.02
145.0	2.42		8.11	25.36	21.05
150.0	2.50		8.07	25.40	21.05
155.0	2.58		8.00	25.27	21.04
160.0	2.67		8.12	25.19	20.97
165.0	2.75		8.07	25.29	20.92
170.0	2.83		8.06	25.21	20.88
175.0	2.92		8.01	25.18	20.86
180.0	3.00		7.97	25.14	20.80
185.0	3.08		7.89	25.05	20.88
190.0	3.17		7.95	24.98	20.83
195.0	3.25		7.90	24.97	20.76
200.0	3.33		7.92	24.89	20.70
205.0	3.42		7.86	24.96	20.77
210.0	3.50		7.86	24.85	20.70
215.0	3.58		7.88	24.88	20.64
220.0	3.67		7.80	24.80	20.66
225.0	3.75		7.96	24.81	20.58
230.0	3.83		7.86	24.79	20.51
235.0	3.92		7.75	24.71	20.67
240.0	4.00		7.82	24.63	20.54
245.0	4.08		7.86	24.60	20.50
250.0	4.17		7.73	24.64	
255.0	4.25		7.80	24.57	
260.0	4.33		7.77	24.56	
265.0	4.42		7.89	24.51	
270.0	4.50		7.73	24.51	
275.0	4.58		7.78	24.39	
280.0	4.67		7.71	24.40	
285.0	4.75		7.80	24.40	
290.0	4.83		7.75	24.38	
295.0	4.92		7.73	24.35	
300.0	5.00		7.78	24.21	
305.0	5.08		7.70	24.31	
310.0	5.17		7.72	24.28	
315.0	5.25		7.72	24.23	
320.0	5.33		7.76	24.26	
325.0	5.42		7.74	24.22	
330.0	5.50		7.70	24.13	
335.0	5.58		7.70	24.05	
340.0	5.67		7.71	24.12	
345.0	5.75		7.79	24.00	
350.0	5.83		7.63	24.02	
355.0	5.92		7.66	24.01	
360.0	6.00		7.74	23.97	
365.0	6.08		7.71	23.98	
370.0	6.17		7.73	23.97	
375.0	6.25		7.70	24.02	
380.0	6.33		7.69	23.90	
385.0	6.42		7.76	23.90	
390.0	6.50		7.74	23.87	
395.0	6.58		7.68	23.85	

Time (s)	Time (min)	Trace No. Trace Points	1 90	2 182	3 50
		Depth (m)	7.550	18.100	19.100
		Depth (ft)	24.770	59.382	62.663
400.0	6.67		7.69	23.93	
405.0	6.75		7.71	23.81	
410.0	6.83		7.70	23.79	
415.0	6.92		7.66	23.72	
420.0	7.00		7.74	23.79	
425.0	7.08		7.80	23.68	
430.0	7.17		7.70	23.69	
435.0	7.25		7.77	23.69	
440.0	7.33		7.80	23.68	
445.0	7.42		7.73	23.61	
450.0	7.50			23.68	
455.0	7.58			23.61	
460.0	7.67			23.58	
465.0	7.75			23.63	
470.0	7.83			23.58	
475.0	7.92			23.51	
480.0	8.00			23.50	
485.0	8.08			23.50	
490.0	8.17			23.56	
495.0	8.25			23.53	
500.0	8.33			23.41	
505.0	8.42			23.46	
510.0	8.50			23.40	
515.0	8.58			23.41	
520.0	8.67			23.36	
525.0	8.75			23.34	
530.0	8.83			23.32	
535.0	8.92			23.43	
540.0	9.00			23.34	
545.0	9.08			23.32	
550.0	9.17			23.24	
555.0	9.25			23.29	
560.0	9.33			23.20	
565.0	9.42			23.21	
570.0	9.50			23.31	
575.0	9.58			23.26	
580.0	9.67			23.29	
585.0	9.75			23.22	
590.0	9.83			23.19	
595.0	9.92			23.24	
600.0	10.00			23.22	
605.0	10.08			23.11	
610.0	10.17			23.17	
615.0	10.25			23.19	
620.0	10.33			23.18	
625.0	10.42			23.10	
630.0	10.50			23.14	
635.0	10.58			23.16	
640.0	10.67			23.14	
645.0	10.75			23.11	
650.0	10.83			23.01	
655.0	10.92			23.14	
660.0	11.00			23.01	

Time (s)	Time (min)	Trace No. Trace Points	1 90	2 182	3 50
		Depth (m)	7.550	18.100	19.100
		Depth (ft)	24.770	59.382	62.663
665.0	11.08			23.07	
670.0	11.17			22.99	
675.0	11.25			22.98	
680.0	11.33			22.96	
685.0	11.42			23.00	
690.0	11.50			22.94	
695.0	11.58			23.00	
700.0	11.67			22.94	
705.0	11.75			22.97	
710.0	11.83			22.97	
715.0	11.92			22.85	
720.0	12.00			22.99	
725.0	12.08			22.92	
730.0	12.17			22.86	
735.0	12.25			22.93	
740.0	12.33			22.84	
745.0	12.42			22.92	
750.0	12.50			22.84	
755.0	12.58			22.80	
760.0	12.67			22.74	
765.0	12.75			22.77	
770.0	12.83			22.85	
775.0	12.92			22.70	
780.0	13.00			22.81	
785.0	13.08			22.81	
790.0	13.17			22.87	
795.0	13.25			22.73	
800.0	13.33			22.82	
805.0	13.42			22.75	
810.0	13.50			22.79	
815.0	13.58			22.80	
820.0	13.67			22.66	
825.0	13.75			22.64	
830.0	13.83			22.72	
835.0	13.92			22.71	
840.0	14.00			22.68	
845.0	14.08			22.63	
850.0	14.17			22.65	
855.0	14.25			22.68	
860.0	14.33			22.65	
865.0	14.42			22.65	
870.0	14.50			22.67	
875.0	14.58			22.63	
880.0	14.67			22.58	
885.0	14.75			22.63	
890.0	14.83			22.64	
895.0	14.92			22.62	
900.0	15.00			22.63	
905.0	15.08			22.69	

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP13-1.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-13-1		
Location:	Bridgeton Landfill		
Sounding Date:	21-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	47
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	61		
Longest Trace - Depth (m):	6.200		
Longest Trace - Depth (ft):	20.341		
Longest Trace - Duration (s):	300.0		
Longest Trace - Duration (min):	5.00		
Longest Trace - Duration (hrs):	0.083		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	2.050	6.200
		Depth (ft)	6.726	20.341
0.0	0.00		38.12	19.82
5.0	0.08		47.75	10.61
10.0	0.17		49.42	9.05
15.0	0.25		50.74	8.27
20.0	0.33		52.32	7.69
25.0	0.42		53.39	7.10
30.0	0.50		53.84	6.71
35.0	0.58		54.14	6.35
40.0	0.67		54.33	6.14
45.0	0.75		54.33	5.81
50.0	0.83		54.26	5.78
55.0	0.92		53.89	5.44
60.0	1.00		53.51	5.27
65.0	1.08		53.04	5.23
70.0	1.17		52.60	4.89
75.0	1.25		51.98	4.65
80.0	1.33		51.39	4.74
85.0	1.42		50.96	4.71
90.0	1.50		50.35	4.43
95.0	1.58		49.64	4.31
100.0	1.67		49.08	4.26
105.0	1.75		48.52	4.28
110.0	1.83		47.81	4.17
115.0	1.92		47.22	4.17
120.0	2.00		46.71	4.00
125.0	2.08		45.98	3.83
130.0	2.17		45.46	3.84

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	2.050	6.200
		Depth (ft)	6.726	20.341
135.0	2.25		44.98	3.75
140.0	2.33		44.25	3.77
145.0	2.42		43.73	3.72
150.0	2.50		43.22	3.53
155.0	2.58		42.56	3.60
160.0	2.67		42.15	3.55
165.0	2.75		41.77	3.43
170.0	2.83		41.15	3.47
175.0	2.92		40.78	3.42
180.0	3.00		40.14	3.42
185.0	3.08		39.72	3.42
190.0	3.17		39.26	3.38
195.0	3.25		38.86	3.16
200.0	3.33		38.61	3.29
205.0	3.42		38.11	3.17
210.0	3.50		37.73	3.18
215.0	3.58		37.42	3.10
220.0	3.67		36.90	3.20
225.0	3.75		36.56	3.17
230.0	3.83		36.12	3.02
235.0	3.92		35.83	3.07
240.0	4.00		35.28	2.97
245.0	4.08		35.08	2.91
250.0	4.17		34.79	3.01
255.0	4.25		34.50	2.82
260.0	4.33		34.05	2.85
265.0	4.42		33.88	2.72
270.0	4.50		33.57	2.87
275.0	4.58		33.27	2.76
280.0	4.67		32.90	2.90
285.0	4.75		32.59	2.76
290.0	4.83		32.35	2.78
295.0	4.92		32.08	2.69
300.0	5.00		31.85	2.72

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP13-2A.PPD
Job Number:	13-53075
Sounding ID:	GCPT-13-2A
Location:	Bridgeton Landfill
Sounding Date:	21-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 48
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	26
Longest Trace - Depth (m):	1.450
Longest Trace - Depth (ft):	4.757
Longest Trace - Duration (s):	125.0
Longest Trace - Duration (min):	2.08
Longest Trace - Duration (hrs):	0.035
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 26
		Depth (m)	1.450
		Depth (ft)	4.757
0.0	0.00		0.86
5.0	0.08		-0.06
10.0	0.17		0.13
15.0	0.25		0.17
20.0	0.33		0.17
25.0	0.42		0.11
30.0	0.50		0.07
35.0	0.58		0.11
40.0	0.67		0.13
45.0	0.75		0.11
50.0	0.83		0.15
55.0	0.92		0.17
60.0	1.00		0.16
65.0	1.08		0.22
70.0	1.17		0.22
75.0	1.25		0.09
80.0	1.33		0.21
85.0	1.42		0.15
90.0	1.50		0.18
95.0	1.58		0.13
100.0	1.67		0.21
105.0	1.75		0.23
110.0	1.83		0.25
115.0	1.92		0.26
120.0	2.00		0.17
125.0	2.08		0.20

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP13-3.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-13-3		
Location:	Bridgeton Landfill		
Sounding Date:	21-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	1	Of	20
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	1		
Longest Trace - Points:	18		
Longest Trace - Depth (m):	1.250		
Longest Trace - Depth (ft):	4.101		
Longest Trace - Duration (s):	85.0		
Longest Trace - Duration (min):	1.42		
Longest Trace - Duration (hrs):	0.024		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 18
		Depth (m)	1.250
		Depth (ft)	4.101
0.0	0.00		1.46
5.0	0.08		-0.06
10.0	0.17		-0.40
15.0	0.25		-0.29
20.0	0.33		-0.26
25.0	0.42		-0.22
30.0	0.50		-0.15
35.0	0.58		-0.15
40.0	0.67		-0.08
45.0	0.75		-0.12
50.0	0.83		-0.13
55.0	0.92		0.05
60.0	1.00		0.09
65.0	1.08		0.02
70.0	1.17		-0.06
75.0	1.25		0.05
80.0	1.33		0.08
85.0	1.42		0.27

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP13-4S.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-13-4S		
Location:	Bridgeton Landfill		
Sounding Date:	03-Feb-2014		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	3	Of	70
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	3		
Longest Trace - Points:	61		
Longest Trace - Depth (m):	14.800		
Longest Trace - Depth (ft):	48.556		
Longest Trace - Duration (s):	300.0		
Longest Trace - Duration (min):	5.00		
Longest Trace - Duration (hrs):	0.083		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61	3 61
		Depth (m)	6.350	13.700	14.800
		Depth (ft)	20.833	44.947	48.556
0.0	0.00		17.58	5.41	7.12
5.0	0.08		10.69	2.21	6.84
10.0	0.17		9.35	2.57	6.55
15.0	0.25		9.33	2.31	6.21
20.0	0.33		9.20	2.72	6.02
25.0	0.42		9.29	2.73	5.81
30.0	0.50		9.55	2.98	5.61
35.0	0.58		9.36	2.23	5.51
40.0	0.67		9.39	2.54	5.30
45.0	0.75		9.32	2.44	5.31
50.0	0.83		9.51	2.66	5.16
55.0	0.92		9.42	2.47	5.04
60.0	1.00		9.16	2.47	5.02
65.0	1.08		9.25	2.47	4.89
70.0	1.17		8.97	2.27	4.93
75.0	1.25		8.96	2.41	4.81
80.0	1.33		9.08	2.30	4.80
85.0	1.42		8.93	2.54	4.77
90.0	1.50		8.62	2.31	4.75
95.0	1.58		8.52	1.89	4.70
100.0	1.67		8.61	2.69	4.78
105.0	1.75		8.27	2.02	4.62
110.0	1.83		7.95	2.37	4.54
115.0	1.92		7.94	2.17	4.51
120.0	2.00		7.83	1.83	4.19
125.0	2.08		7.53	1.84	4.28
130.0	2.17		7.24	2.38	4.24

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61	3 61
		Depth (m)	6.350	13.700	14.800
		Depth (ft)	20.833	44.947	48.556
135.0	2.25		7.33	1.89	4.28
140.0	2.33		7.39	2.15	4.26
145.0	2.42		7.01	2.40	4.39
150.0	2.50		7.01	2.41	4.26
155.0	2.58		6.68	2.39	4.26
160.0	2.67		6.71	2.19	4.26
165.0	2.75		6.64	1.81	4.21
170.0	2.83		6.48	1.99	4.19
175.0	2.92		6.50	2.14	4.27
180.0	3.00		6.35	2.02	4.08
185.0	3.08		6.27	1.44	4.17
190.0	3.17		6.29	1.86	4.16
195.0	3.25		6.20	1.40	4.18
200.0	3.33		6.28	1.82	4.11
205.0	3.42		5.80	2.07	4.25
210.0	3.50		5.90	1.79	3.85
215.0	3.58		6.04	2.18	4.04
220.0	3.67		5.63	2.09	3.90
225.0	3.75		5.82	1.84	4.12
230.0	3.83		5.63	2.21	4.04
235.0	3.92		5.34	2.17	4.10
240.0	4.00		5.38	1.39	4.20
245.0	4.08		5.63	1.87	4.23
250.0	4.17		5.25	1.50	4.01
255.0	4.25		5.39	1.72	3.90
260.0	4.33		5.38	2.14	3.89
265.0	4.42		5.23	1.72	4.06
270.0	4.50		5.01	1.75	4.04
275.0	4.58		5.19	1.45	3.90
280.0	4.67		4.89	2.30	3.97
285.0	4.75		4.81	1.68	4.06
290.0	4.83		4.87	1.61	3.97
295.0	4.92		4.85	1.80	4.03
300.0	5.00		4.75	1.90	3.92

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP13-5S.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-13-5S		
Location:	Bridgeton Landfill		
Sounding Date:	04-Feb-2014		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	61
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	61		
Longest Trace - Depth (m):	12.600		
Longest Trace - Depth (ft):	41.338		
Longest Trace - Duration (s):	300.0		
Longest Trace - Duration (min):	5.00		
Longest Trace - Duration (hrs):	0.083		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.200	12.600
		Depth (ft)	20.341	41.338
0.0	0.00		22.58	9.41
5.0	0.08		6.27	5.61
10.0	0.17		6.39	4.81
15.0	0.25		8.10	4.60
20.0	0.33		8.76	4.44
25.0	0.42		9.56	4.34
30.0	0.50		10.15	4.25
35.0	0.58		10.44	4.31
40.0	0.67		10.95	4.45
45.0	0.75		10.53	4.73
50.0	0.83		10.79	4.95
55.0	0.92		10.46	4.93
60.0	1.00		10.30	4.94
65.0	1.08		10.29	5.17
70.0	1.17		10.14	5.15
75.0	1.25		9.73	5.13
80.0	1.33		9.51	5.20
85.0	1.42		9.26	5.30
90.0	1.50		8.87	5.32
95.0	1.58		8.74	5.48
100.0	1.67		8.54	5.43
105.0	1.75		8.42	5.43
110.0	1.83		8.32	5.35
115.0	1.92		7.66	5.45
120.0	2.00		7.69	5.56
125.0	2.08		7.60	5.49
130.0	2.17		7.66	5.53

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.200	12.600
		Depth (ft)	20.341	41.338
135.0	2.25		7.60	5.70
140.0	2.33		6.96	5.55
145.0	2.42		6.67	5.54
150.0	2.50		6.32	5.50
155.0	2.58		7.00	5.59
160.0	2.67		6.72	5.74
165.0	2.75		6.43	5.57
170.0	2.83		6.06	5.61
175.0	2.92		6.22	5.71
180.0	3.00		6.36	5.92
185.0	3.08		6.08	5.81
190.0	3.17		5.57	5.87
195.0	3.25		5.61	6.07
200.0	3.33		6.05	6.09
205.0	3.42		5.95	5.95
210.0	3.50		5.78	6.02
215.0	3.58		5.13	6.08
220.0	3.67		5.41	6.32
225.0	3.75		4.89	6.14
230.0	3.83		5.65	6.08
235.0	3.92		5.16	6.01
240.0	4.00		4.56	6.19
245.0	4.08		4.87	6.11
250.0	4.17		4.88	6.10
255.0	4.25		4.98	6.02
260.0	4.33		4.93	6.22
265.0	4.42		4.58	6.14
270.0	4.50		4.42	6.36
275.0	4.58		4.80	6.25
280.0	4.67		4.65	6.36
285.0	4.75		3.97	6.35
290.0	4.83		4.69	6.40
295.0	4.92		4.68	6.40
300.0	5.00		4.46	6.30

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP13-6S.PPD
Job Number:	13-53075
Sounding ID:	GCPT-13-6S
Location:	Bridgeton Landfill
Sounding Date:	03-Feb-2014
Cone Area (sq cm):	15.0
Number Of Reported Traces:	2 Of 43
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	2
Longest Trace - Points:	61
Longest Trace - Depth (m):	18.200
Longest Trace - Depth (ft):	59.711
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.700	18.200
		Depth (ft)	21.981	59.711
0.0	0.00		9.70	26.95
5.0	0.08		8.86	27.01
10.0	0.17		8.50	26.84
15.0	0.25		8.39	26.73
20.0	0.33		8.05	26.66
25.0	0.42		7.88	26.06
30.0	0.50		7.60	25.81
35.0	0.58		7.54	25.64
40.0	0.67		7.26	25.37
45.0	0.75		7.08	25.44
50.0	0.83		7.01	25.29
55.0	0.92		6.96	25.24
60.0	1.00		6.72	24.98
65.0	1.08		6.62	24.89
70.0	1.17		6.53	24.97
75.0	1.25		6.41	24.68
80.0	1.33		6.19	24.61
85.0	1.42		6.09	24.56
90.0	1.50		6.02	24.39
95.0	1.58		5.76	24.47
100.0	1.67		5.76	24.23
105.0	1.75		5.67	24.00
110.0	1.83		5.86	24.18
115.0	1.92		5.70	23.94
120.0	2.00		5.70	23.88
125.0	2.08		5.40	23.88
130.0	2.17		5.31	23.70

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.700	18.200
		Depth (ft)	21.981	59.711
135.0	2.25		5.10	23.66
140.0	2.33		5.21	23.46
145.0	2.42		5.50	23.41
150.0	2.50		4.92	23.27
155.0	2.58		5.26	23.36
160.0	2.67		4.98	23.19
165.0	2.75		5.19	23.17
170.0	2.83		5.29	23.05
175.0	2.92		4.70	22.93
180.0	3.00		4.95	23.04
185.0	3.08		5.19	22.79
190.0	3.17		4.96	22.77
195.0	3.25		5.16	22.70
200.0	3.33		4.42	22.63
205.0	3.42		4.57	22.58
210.0	3.50		4.70	22.49
215.0	3.58		5.10	22.57
220.0	3.67		4.80	22.42
225.0	3.75		4.99	22.42
230.0	3.83		4.77	22.37
235.0	3.92		4.40	22.29
240.0	4.00		4.70	22.21
245.0	4.08		4.78	22.14
250.0	4.17		4.96	22.12
255.0	4.25		4.45	22.00
260.0	4.33		4.70	22.10
265.0	4.42		4.71	22.11
270.0	4.50		4.56	21.86
275.0	4.58		4.43	21.82
280.0	4.67		4.38	21.75
285.0	4.75		4.70	21.92
290.0	4.83		4.69	21.80
295.0	4.92		4.72	21.74
300.0	5.00		4.60	21.73

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP13-7S.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-13-7S		
Location:	Bridgeton Landfill		
Sounding Date:	06-Feb-2014		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	25
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	61		
Longest Trace - Depth (m):	15.050		
Longest Trace - Depth (ft):	49.376		
Longest Trace - Duration (s):	300.0		
Longest Trace - Duration (min):	5.00		
Longest Trace - Duration (hrs):	0.083		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	7.300	15.050
		Depth (ft)	23.950	49.376
0.0	0.00		31.81	58.48
5.0	0.08		28.08	44.06
10.0	0.17		24.74	41.15
15.0	0.25		23.14	39.29
20.0	0.33		22.13	38.28
25.0	0.42		21.31	33.26
30.0	0.50		20.62	29.47
35.0	0.58		20.34	28.28
40.0	0.67		19.96	28.48
45.0	0.75		19.43	28.50
50.0	0.83		19.00	28.91
55.0	0.92		19.33	28.84
60.0	1.00		18.87	28.95
65.0	1.08		18.42	29.20
70.0	1.17		19.00	28.90
75.0	1.25		18.87	28.87
80.0	1.33		18.58	28.72
85.0	1.42		18.11	28.61
90.0	1.50		18.18	28.74
95.0	1.58		18.16	28.29
100.0	1.67		17.99	28.58
105.0	1.75		17.78	28.41
110.0	1.83		17.50	28.37
115.0	1.92		17.22	28.44
120.0	2.00		17.60	28.57
125.0	2.08		17.38	28.41
130.0	2.17		17.79	28.49

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	7.300	15.050
		Depth (ft)	23.950	49.376
135.0	2.25		17.36	28.34
140.0	2.33		17.25	28.57
145.0	2.42		17.27	28.43
150.0	2.50		17.36	28.39
155.0	2.58		17.25	28.59
160.0	2.67		16.79	28.25
165.0	2.75		16.91	28.32
170.0	2.83		17.10	28.35
175.0	2.92		16.89	28.03
180.0	3.00		16.82	28.08
185.0	3.08		16.99	28.12
190.0	3.17		17.10	28.14
195.0	3.25		16.78	27.97
200.0	3.33		16.68	28.11
205.0	3.42		16.78	28.11
210.0	3.50		16.54	28.21
215.0	3.58		16.57	28.08
220.0	3.67		16.72	27.98
225.0	3.75		16.54	28.06
230.0	3.83		16.68	27.86
235.0	3.92		16.57	28.03
240.0	4.00		16.16	27.79
245.0	4.08		16.50	27.93
250.0	4.17		16.40	27.81
255.0	4.25		16.57	28.01
260.0	4.33		16.39	28.05
265.0	4.42		16.39	28.02
270.0	4.50		16.65	27.97
275.0	4.58		16.47	27.84
280.0	4.67		16.55	27.95
285.0	4.75		16.24	27.84
290.0	4.83		16.58	27.86
295.0	4.92		16.49	27.70
300.0	5.00		16.30	27.87

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP14-1.PPD
Job Number:	13-53075
Sounding ID:	GCPT-14-1
Location:	Bridgeton Landfill
Sounding Date:	22-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 389
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	61
Longest Trace - Depth (m):	5.950
Longest Trace - Depth (ft):	19.521
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	5.950
		Depth (ft)	19.521
0.0	0.00		7.93
5.0	0.08		7.00
10.0	0.17		6.69
15.0	0.25		4.19
20.0	0.33		4.56
25.0	0.42		4.96
30.0	0.50		5.38
35.0	0.58		5.73
40.0	0.67		6.08
45.0	0.75		6.37
50.0	0.83		6.58
55.0	0.92		6.90
60.0	1.00		7.11
65.0	1.08		7.36
70.0	1.17		7.77
75.0	1.25		7.94
80.0	1.33		8.15
85.0	1.42		8.28
90.0	1.50		8.48
95.0	1.58		8.72
100.0	1.67		8.88
105.0	1.75		9.05
110.0	1.83		9.19
115.0	1.92		9.45
120.0	2.00		9.59
125.0	2.08		9.63
130.0	2.17		9.76

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	5.950
		Depth (ft)	19.521
135.0	2.25		10.14
140.0	2.33		9.95
145.0	2.42		9.95
150.0	2.50		9.99
155.0	2.58		10.10
160.0	2.67		10.22
165.0	2.75		10.35
170.0	2.83		10.25
175.0	2.92		10.25
180.0	3.00		10.42
185.0	3.08		10.51
190.0	3.17		10.50
195.0	3.25		10.62
200.0	3.33		10.55
205.0	3.42		10.64
210.0	3.50		10.79
215.0	3.58		10.84
220.0	3.67		10.99
225.0	3.75		11.03
230.0	3.83		11.04
235.0	3.92		11.03
240.0	4.00		11.06
245.0	4.08		11.12
250.0	4.17		11.10
255.0	4.25		11.14
260.0	4.33		11.19
265.0	4.42		11.28
270.0	4.50		11.44
275.0	4.58		11.38
280.0	4.67		11.35
285.0	4.75		11.44
290.0	4.83		11.56
295.0	4.92		11.56
300.0	5.00		11.59

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP14-2.PPD
Job Number:	13-53075
Sounding ID:	GCPT-14-2
Location:	Bridgeton Landfill
Sounding Date:	22-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 95
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	25
Longest Trace - Depth (m):	0.950
Longest Trace - Depth (ft):	3.117
Longest Trace - Duration (s):	120.0
Longest Trace - Duration (min):	2.00
Longest Trace - Duration (hrs):	0.033
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 25
		Depth (m)	0.950
		Depth (ft)	3.117
0.0	0.00		0.33
5.0	0.08		-0.21
10.0	0.17		-0.07
15.0	0.25		0.11
20.0	0.33		0.01
25.0	0.42		-0.00
30.0	0.50		0.05
35.0	0.58		-0.03
40.0	0.67		0.01
45.0	0.75		0.01
50.0	0.83		-0.03
55.0	0.92		0.12
60.0	1.00		0.08
65.0	1.08		-0.04
70.0	1.17		0.03
75.0	1.25		-0.11
80.0	1.33		0.17
85.0	1.42		0.11
90.0	1.50		0.21
95.0	1.58		0.15
100.0	1.67		0.08
105.0	1.75		0.09
110.0	1.83		0.07
115.0	1.92		0.13
120.0	2.00		0.08

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP14-3.PPD
Job Number:	13-53075
Sounding ID:	GCPT-14-3
Location:	Bridgeton Landfill
Sounding Date:	22-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 16
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	20
Longest Trace - Depth (m):	0.400
Longest Trace - Depth (ft):	1.312
Longest Trace - Duration (s):	95.0
Longest Trace - Duration (min):	1.58
Longest Trace - Duration (hrs):	0.026
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 20
		Depth (m)	0.400
		Depth (ft)	1.312
0.0	0.00		5.16
5.0	0.08		-9.78
10.0	0.17		0.03
15.0	0.25		-0.01
20.0	0.33		-0.06
25.0	0.42		-0.04
30.0	0.50		-0.04
35.0	0.58		-0.06
40.0	0.67		-0.20
45.0	0.75		-0.11
50.0	0.83		-0.11
55.0	0.92		-0.18
60.0	1.00		-0.06
65.0	1.08		-0.09
70.0	1.17		0.01
75.0	1.25		-0.20
80.0	1.33		0.02
85.0	1.42		-0.01
90.0	1.50		0.14
95.0	1.58		0.11

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP14-3S.PPD
Job Number:	13-53075
Sounding ID:	GCPT-14-3S
Location:	Bridgeton Landfill
Sounding Date:	04-Feb-2014
Cone Area (sq cm):	15.0
Number Of Reported Traces:	4 Of 64
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	4
Longest Trace - Points:	71
Longest Trace - Depth (m):	13.950
Longest Trace - Depth (ft):	45.767
Longest Trace - Duration (s):	350.0
Longest Trace - Duration (min):	5.83
Longest Trace - Duration (hrs):	0.097
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 17	3 37	4 71
		Depth (m)	5.850	11.350	13.350	13.950
		Depth (ft)	19.193	37.237	43.799	45.767
0.0	0.00		23.00	15.45	5.41	1.38
5.0	0.08		21.58	18.31	18.94	-0.40
10.0	0.17		25.42	17.70	51.39	1.07
15.0	0.25		27.14	16.29	62.23	3.01
20.0	0.33		27.56	14.88	57.86	4.60
25.0	0.42		27.46	14.17	52.03	5.10
30.0	0.50		27.09	13.30	46.07	5.98
35.0	0.58		26.44	12.72	41.60	6.16
40.0	0.67		25.74	12.41	37.57	6.30
45.0	0.75		25.13	11.93	34.25	7.02
50.0	0.83		24.22	11.53	31.19	6.87
55.0	0.92		23.29	11.24	28.60	6.92
60.0	1.00		22.77	10.98	26.59	6.61
65.0	1.08		22.05	10.82	24.48	7.11
70.0	1.17		21.54	10.61	23.05	7.39
75.0	1.25		21.06	10.47	21.60	7.42
80.0	1.33		20.42	9.64	20.20	7.10
85.0	1.42		19.99		19.09	6.89
90.0	1.50		19.52		18.09	7.26
95.0	1.58		19.26		17.22	7.75
100.0	1.67		18.68		16.33	7.29
105.0	1.75		18.32		15.60	7.43
110.0	1.83		18.21		14.86	7.02
115.0	1.92		17.75		14.28	7.30
120.0	2.00		17.36		13.71	7.13
125.0	2.08		17.00		13.23	7.06
130.0	2.17		16.84		12.76	7.27

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 17	3 37	4 71
		Depth (m)	5.850	11.350	13.350	13.950
		Depth (ft)	19.193	37.237	43.799	45.767
135.0	2.25		16.58		12.37	7.43
140.0	2.33		16.26		11.85	7.07
145.0	2.42		16.21		11.70	7.68
150.0	2.50		15.81		11.35	7.15
155.0	2.58		15.83		11.04	7.36
160.0	2.67		15.37		10.74	7.77
165.0	2.75		15.08		10.49	7.32
170.0	2.83		14.91		10.33	7.22
175.0	2.92		14.75		10.64	7.61
180.0	3.00		14.79		11.16	7.18
185.0	3.08		14.35			7.47
190.0	3.17		14.38			7.08
195.0	3.25		14.36			7.40
200.0	3.33		14.25			7.32
205.0	3.42		14.03			7.37
210.0	3.50		13.69			7.64
215.0	3.58		13.65			7.10
220.0	3.67		13.42			7.33
225.0	3.75		13.22			7.37
230.0	3.83		13.02			7.80
235.0	3.92		13.27			7.24
240.0	4.00		12.90			7.36
245.0	4.08		12.90			7.02
250.0	4.17		12.91			7.31
255.0	4.25		12.61			7.36
260.0	4.33		12.60			7.68
265.0	4.42		12.63			7.11
270.0	4.50		12.44			7.36
275.0	4.58		12.30			7.57
280.0	4.67		12.37			7.44
285.0	4.75		12.06			7.30
290.0	4.83		12.05			7.70
295.0	4.92		11.92			7.20
300.0	5.00		11.97			7.38
305.0	5.08					6.90
310.0	5.17					7.01
315.0	5.25					7.01
320.0	5.33					7.58
325.0	5.42					7.33
330.0	5.50					7.14
335.0	5.58					7.50
340.0	5.67					7.51
345.0	5.75					7.33
350.0	5.83					7.02

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP14-5S.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-14-5S		
Location:	Bridgeton Landfill		
Sounding Date:	04-Feb-2014		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	10
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	71		
Longest Trace - Depth (m):	8.100		
Longest Trace - Depth (ft):	26.574		
Longest Trace - Duration (s):	350.0		
Longest Trace - Duration (min):	5.83		
Longest Trace - Duration (hrs):	0.097		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 71
		Depth (m)	6.700	8.100
		Depth (ft)	21.981	26.574
0.0	0.00		18.28	27.32
5.0	0.08		26.77	17.18
10.0	0.17		24.82	15.43
15.0	0.25		23.46	14.44
20.0	0.33		22.04	13.35
25.0	0.42		21.17	13.23
30.0	0.50		20.53	12.93
35.0	0.58		19.77	12.91
40.0	0.67		19.24	11.60
45.0	0.75		18.92	10.57
50.0	0.83		18.45	10.56
55.0	0.92		17.94	10.87
60.0	1.00		17.18	10.93
65.0	1.08		17.08	11.32
70.0	1.17		16.81	11.23
75.0	1.25		16.49	11.05
80.0	1.33		16.40	11.32
85.0	1.42		15.98	11.52
90.0	1.50		15.86	11.10
95.0	1.58		15.89	11.78
100.0	1.67		15.59	11.39
105.0	1.75		15.48	11.48
110.0	1.83		15.04	10.86
115.0	1.92		15.11	10.78
120.0	2.00		14.89	11.24
125.0	2.08		14.51	11.06
130.0	2.17		14.62	10.84

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 71
		Depth (m)	6.700	8.100
		Depth (ft)	21.981	26.574
135.0	2.25		14.59	10.91
140.0	2.33		14.36	10.93
145.0	2.42		14.38	11.29
150.0	2.50		14.20	10.77
155.0	2.58		14.20	11.10
160.0	2.67		14.02	11.43
165.0	2.75		13.95	11.34
170.0	2.83		14.02	10.77
175.0	2.92		13.75	11.47
180.0	3.00		13.59	11.23
185.0	3.08		13.60	10.94
190.0	3.17		13.59	11.01
195.0	3.25		13.49	11.05
200.0	3.33		13.38	10.59
205.0	3.42		12.94	11.01
210.0	3.50		13.29	10.92
215.0	3.58		12.95	11.25
220.0	3.67		13.09	10.91
225.0	3.75		13.20	10.81
230.0	3.83		13.04	11.18
235.0	3.92		12.98	10.88
240.0	4.00		12.96	10.62
245.0	4.08		12.79	10.93
250.0	4.17		12.92	11.03
255.0	4.25		12.92	10.90
260.0	4.33		12.61	10.55
265.0	4.42		12.45	10.91
270.0	4.50		12.28	10.51
275.0	4.58		12.42	11.10
280.0	4.67		12.42	10.88
285.0	4.75		12.51	10.57
290.0	4.83		12.28	10.23
295.0	4.92		12.27	10.66
300.0	5.00		12.26	10.33
305.0	5.08			10.90
310.0	5.17			10.40
315.0	5.25			11.08
320.0	5.33			10.40
325.0	5.42			10.75
330.0	5.50			10.62
335.0	5.58			10.67
340.0	5.67			11.22
345.0	5.75			10.94
350.0	5.83			10.31

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP14-6S.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-14-6S		
Location:	Bridgeton Landfill		
Sounding Date:	04-Feb-2014		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	77
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	71		
Longest Trace - Depth (m):	23.200		
Longest Trace - Depth (ft):	76.115		
Longest Trace - Duration (s):	350.0		
Longest Trace - Duration (min):	5.83		
Longest Trace - Duration (hrs):	0.097		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 71
		Depth (m)	5.700	23.200
		Depth (ft)	18.701	76.115
0.0	0.00		46.98	90.74
5.0	0.08		48.35	148.26
10.0	0.17		49.15	155.70
15.0	0.25		49.97	148.80
20.0	0.33		50.98	143.67
25.0	0.42		51.43	137.75
30.0	0.50		52.18	134.78
35.0	0.58		52.58	130.19
40.0	0.67		53.16	126.43
45.0	0.75		53.74	124.08
50.0	0.83		54.03	122.10
55.0	0.92		55.01	119.33
60.0	1.00		54.84	117.25
65.0	1.08		55.22	115.35
70.0	1.17		55.58	112.96
75.0	1.25		55.85	111.02
80.0	1.33		56.14	109.32
85.0	1.42		56.48	107.58
90.0	1.50		56.78	106.09
95.0	1.58		56.98	103.89
100.0	1.67		57.02	102.72
105.0	1.75		57.46	101.12
110.0	1.83		57.73	100.15
115.0	1.92		58.00	98.32
120.0	2.00		58.00	96.92
125.0	2.08		58.15	95.93
130.0	2.17		58.48	95.01

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 71
		Depth (m)	5.700	23.200
		Depth (ft)	18.701	76.115
135.0	2.25		58.16	93.94
140.0	2.33		58.40	92.71
145.0	2.42		58.57	91.79
150.0	2.50		58.61	90.99
155.0	2.58		58.85	89.73
160.0	2.67		59.13	89.13
165.0	2.75		59.02	87.90
170.0	2.83		59.31	88.02
175.0	2.92		59.35	86.71
180.0	3.00		59.31	86.39
185.0	3.08		59.47	85.35
190.0	3.17		59.57	84.49
195.0	3.25		59.47	84.30
200.0	3.33		59.49	83.42
205.0	3.42		59.66	83.27
210.0	3.50		59.73	82.26
215.0	3.58		59.68	81.93
220.0	3.67		59.89	81.44
225.0	3.75		59.75	80.38
230.0	3.83		60.02	79.87
235.0	3.92		59.90	79.65
240.0	4.00		60.14	79.17
245.0	4.08		60.00	78.43
250.0	4.17		60.09	78.77
255.0	4.25		60.05	78.11
260.0	4.33		60.24	77.56
265.0	4.42		60.22	77.21
270.0	4.50		60.10	76.51
275.0	4.58		60.34	76.21
280.0	4.67		60.31	76.29
285.0	4.75		60.41	75.40
290.0	4.83		60.22	75.18
295.0	4.92		60.35	75.02
300.0	5.00		60.22	74.90
305.0	5.08			74.70
310.0	5.17			74.12
315.0	5.25			73.78
320.0	5.33			73.65
325.0	5.42			73.76
330.0	5.50			73.44
335.0	5.58			73.06
340.0	5.67			72.77
345.0	5.75			72.50
350.0	5.83			71.96

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP15-1.PPD
Job Number:	13-53075
Sounding ID:	GCPT-15-1
Location:	Bridgeton Landfill
Sounding Date:	23-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 37
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	61
Longest Trace - Depth (m):	5.950
Longest Trace - Depth (ft):	19.521
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	5.950
		Depth (ft)	19.521
0.0	0.00		9.30
5.0	0.08		10.84
10.0	0.17		10.15
15.0	0.25		9.65
20.0	0.33		9.33
25.0	0.42		9.10
30.0	0.50		8.86
35.0	0.58		8.63
40.0	0.67		8.52
45.0	0.75		8.31
50.0	0.83		8.08
55.0	0.92		7.94
60.0	1.00		7.74
65.0	1.08		7.68
70.0	1.17		7.45
75.0	1.25		7.33
80.0	1.33		7.22
85.0	1.42		7.14
90.0	1.50		6.94
95.0	1.58		6.85
100.0	1.67		6.81
105.0	1.75		6.63
110.0	1.83		6.54
115.0	1.92		6.28
120.0	2.00		6.16
125.0	2.08		5.66
130.0	2.17		5.34

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	5.950
		Depth (ft)	19.521
135.0	2.25		5.04
140.0	2.33		4.78
145.0	2.42		4.63
150.0	2.50		4.45
155.0	2.58		4.31
160.0	2.67		4.26
165.0	2.75		4.08
170.0	2.83		4.11
175.0	2.92		4.09
180.0	3.00		3.86
185.0	3.08		3.73
190.0	3.17		3.72
195.0	3.25		3.71
200.0	3.33		3.68
205.0	3.42		3.62
210.0	3.50		3.54
215.0	3.58		3.53
220.0	3.67		3.43
225.0	3.75		3.40
230.0	3.83		3.41
235.0	3.92		3.40
240.0	4.00		3.26
245.0	4.08		3.25
250.0	4.17		3.30
255.0	4.25		3.18
260.0	4.33		3.21
265.0	4.42		3.23
270.0	4.50		3.12
275.0	4.58		3.10
280.0	4.67		3.11
285.0	4.75		3.03
290.0	4.83		2.91
295.0	4.92		3.01
300.0	5.00		3.02

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP15-3.PPD
Job Number:	13-53075
Sounding ID:	GCPT-15-3
Location:	Bridgeton Landfill
Sounding Date:	23-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 59
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	71
Longest Trace - Depth (m):	3.900
Longest Trace - Depth (ft):	12.795
Longest Trace - Duration (s):	350.0
Longest Trace - Duration (min):	5.83
Longest Trace - Duration (hrs):	0.097
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 71
		Depth (m)	3.900
		Depth (ft)	12.795
0.0	0.00		8.59
5.0	0.08		5.79
10.0	0.17		5.08
15.0	0.25		4.46
20.0	0.33		4.03
25.0	0.42		3.92
30.0	0.50		3.47
35.0	0.58		3.27
40.0	0.67		3.06
45.0	0.75		2.95
50.0	0.83		2.80
55.0	0.92		2.60
60.0	1.00		2.66
65.0	1.08		2.43
70.0	1.17		2.41
75.0	1.25		2.18
80.0	1.33		2.04
85.0	1.42		1.94
90.0	1.50		2.06
95.0	1.58		1.88
100.0	1.67		1.78
105.0	1.75		1.79
110.0	1.83		1.61
115.0	1.92		1.59
120.0	2.00		1.47
125.0	2.08		1.47
130.0	2.17		1.45

Time (s)	Time (min)	Trace No. Trace Points	1 71
		Depth (m)	3.900
		Depth (ft)	12.795
135.0	2.25		1.17
140.0	2.33		1.34
145.0	2.42		1.24
150.0	2.50		1.19
155.0	2.58		1.09
160.0	2.67		1.11
165.0	2.75		0.99
170.0	2.83		0.95
175.0	2.92		0.85
180.0	3.00		0.98
185.0	3.08		0.93
190.0	3.17		0.84
195.0	3.25		0.81
200.0	3.33		0.80
205.0	3.42		0.76
210.0	3.50		0.75
215.0	3.58		0.65
220.0	3.67		0.73
225.0	3.75		0.64
230.0	3.83		0.54
235.0	3.92		0.59
240.0	4.00		0.64
245.0	4.08		0.52
250.0	4.17		0.61
255.0	4.25		0.50
260.0	4.33		0.50
265.0	4.42		0.59
270.0	4.50		0.44
275.0	4.58		0.41
280.0	4.67		0.49
285.0	4.75		0.49
290.0	4.83		0.48
295.0	4.92		0.39
300.0	5.00		0.38
305.0	5.08		0.47
310.0	5.17		0.27
315.0	5.25		0.34
320.0	5.33		0.40
325.0	5.42		0.36
330.0	5.50		0.26
335.0	5.58		0.38
340.0	5.67		0.31
345.0	5.75		0.29
350.0	5.83		0.33

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP15-5.PPD
Job Number:	13-53075
Sounding ID:	GCPT-15-5
Location:	Bridgeton Landfill
Sounding Date:	22-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 164
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	61
Longest Trace - Depth (m):	6.350
Longest Trace - Depth (ft):	20.833
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	6.350
		Depth (ft)	20.833
0.0	0.00		26.81
5.0	0.08		18.20
10.0	0.17		17.35
15.0	0.25		17.28
20.0	0.33		17.67
25.0	0.42		18.21
30.0	0.50		18.66
35.0	0.58		19.15
40.0	0.67		19.75
45.0	0.75		20.26
50.0	0.83		20.85
55.0	0.92		21.51
60.0	1.00		22.14
65.0	1.08		22.58
70.0	1.17		23.31
75.0	1.25		23.79
80.0	1.33		24.18
85.0	1.42		24.74
90.0	1.50		25.28
95.0	1.58		25.69
100.0	1.67		26.00
105.0	1.75		26.27
110.0	1.83		26.72
115.0	1.92		26.86
120.0	2.00		27.07
125.0	2.08		27.29
130.0	2.17		27.59

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m) Depth (ft)	6.350 20.833
135.0	2.25		27.74
140.0	2.33		27.88
145.0	2.42		28.01
150.0	2.50		28.08
155.0	2.58		28.24
160.0	2.67		28.37
165.0	2.75		28.41
170.0	2.83		28.40
175.0	2.92		28.52
180.0	3.00		28.61
185.0	3.08		28.73
190.0	3.17		28.70
195.0	3.25		28.74
200.0	3.33		28.79
205.0	3.42		28.71
210.0	3.50		28.91
215.0	3.58		28.80
220.0	3.67		28.88
225.0	3.75		28.85
230.0	3.83		28.90
235.0	3.92		28.89
240.0	4.00		28.85
245.0	4.08		28.85
250.0	4.17		28.83
255.0	4.25		28.88
260.0	4.33		28.80
265.0	4.42		28.86
270.0	4.50		28.78
275.0	4.58		28.71
280.0	4.67		28.91
285.0	4.75		28.87
290.0	4.83		28.85
295.0	4.92		29.00
300.0	5.00		28.94

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP15-6.PPD
Job Number:	13-53075
Sounding ID:	GCPT-15-6
Location:	Bridgeton Landfill
Sounding Date:	22-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 66
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	91
Longest Trace - Depth (m):	6.150
Longest Trace - Depth (ft):	20.177
Longest Trace - Duration (s):	450.0
Longest Trace - Duration (min):	7.50
Longest Trace - Duration (hrs):	0.125
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 91
		Depth (m)	6.150
		Depth (ft)	20.177
0.0	0.00		7.54
5.0	0.08		4.35
10.0	0.17		3.74
15.0	0.25		3.38
20.0	0.33		3.16
25.0	0.42		3.03
30.0	0.50		3.04
35.0	0.58		3.01
40.0	0.67		2.97
45.0	0.75		2.84
50.0	0.83		2.84
55.0	0.92		2.83
60.0	1.00		2.87
65.0	1.08		2.77
70.0	1.17		2.77
75.0	1.25		2.70
80.0	1.33		2.88
85.0	1.42		2.89
90.0	1.50		2.90
95.0	1.58		2.88
100.0	1.67		2.83
105.0	1.75		2.88
110.0	1.83		2.79
115.0	1.92		3.10
120.0	2.00		3.07
125.0	2.08		3.13
130.0	2.17		3.12

Time (s)	Time (min)	Trace No. Trace Points	1 91
		Depth (m) Depth (ft)	6.150 20.177
135.0	2.25		2.95
140.0	2.33		3.28
145.0	2.42		3.10
150.0	2.50		3.04
155.0	2.58		3.02
160.0	2.67		3.01
165.0	2.75		3.11
170.0	2.83		3.24
175.0	2.92		3.14
180.0	3.00		3.14
185.0	3.08		3.22
190.0	3.17		3.05
195.0	3.25		3.25
200.0	3.33		3.17
205.0	3.42		3.05
210.0	3.50		3.16
215.0	3.58		3.10
220.0	3.67		3.08
225.0	3.75		3.01
230.0	3.83		3.02
235.0	3.92		3.02
240.0	4.00		3.10
245.0	4.08		3.08
250.0	4.17		3.01
255.0	4.25		3.04
260.0	4.33		3.07
265.0	4.42		3.02
270.0	4.50		3.11
275.0	4.58		3.13
280.0	4.67		3.07
285.0	4.75		3.03
290.0	4.83		3.02
295.0	4.92		3.03
300.0	5.00		3.12
305.0	5.08		3.14
310.0	5.17		3.08
315.0	5.25		3.10
320.0	5.33		3.11
325.0	5.42		3.09
330.0	5.50		3.02
335.0	5.58		3.15
340.0	5.67		3.06
345.0	5.75		3.09
350.0	5.83		3.07
355.0	5.92		3.09
360.0	6.00		3.11
365.0	6.08		3.00
370.0	6.17		3.06
375.0	6.25		3.14
380.0	6.33		3.10
385.0	6.42		3.05
390.0	6.50		3.08
395.0	6.58		3.06

Time (s)	Time (min)	Trace No. Trace Points	1 91
		Depth (m) Depth (ft)	6.150 20.177
400.0	6.67		3.08
405.0	6.75		3.12
410.0	6.83		3.10
415.0	6.92		2.99
420.0	7.00		3.07
425.0	7.08		3.05
430.0	7.17		3.11
435.0	7.25		3.02
440.0	7.33		3.10
445.0	7.42		3.04
450.0	7.50		3.06

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP15-7.PPD
Job Number:	13-53075
Sounding ID:	GCPT-15-7
Location:	Bridgeton Landfill
Sounding Date:	22-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	2 Of 118
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	2
Longest Trace - Points:	61
Longest Trace - Depth (m):	17.300
Longest Trace - Depth (ft):	56.758
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	7.150	17.300
		Depth (ft)	23.458	56.758
0.0	0.00		45.30	50.85
5.0	0.08		33.65	54.89
10.0	0.17		31.79	58.00
15.0	0.25		30.15	61.53
20.0	0.33		29.39	64.55
25.0	0.42		28.41	67.11
30.0	0.50		26.96	69.33
35.0	0.58		26.59	70.79
40.0	0.67		25.72	71.98
45.0	0.75		24.89	72.78
50.0	0.83		24.54	73.33
55.0	0.92		24.29	73.55
60.0	1.00		24.04	73.53
65.0	1.08		23.80	73.31
70.0	1.17		23.28	72.94
75.0	1.25		22.97	72.51
80.0	1.33		22.51	71.98
85.0	1.42		21.90	71.50
90.0	1.50		21.62	70.79
95.0	1.58		21.27	70.25
100.0	1.67		20.90	69.71
105.0	1.75		20.55	68.96
110.0	1.83		20.30	68.39
115.0	1.92		20.05	67.83
120.0	2.00		19.71	67.25
125.0	2.08		19.37	66.49
130.0	2.17		19.20	66.00

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	7.150	17.300
		Depth (ft)	23.458	56.758
135.0	2.25		18.97	65.45
140.0	2.33		18.86	64.81
145.0	2.42		18.62	64.28
150.0	2.50		18.42	63.81
155.0	2.58		18.03	63.22
160.0	2.67		17.88	62.68
165.0	2.75		17.74	62.27
170.0	2.83		17.40	61.74
175.0	2.92		17.35	61.48
180.0	3.00		17.13	61.00
185.0	3.08		16.89	60.46
190.0	3.17		16.62	60.05
195.0	3.25		16.57	59.69
200.0	3.33		16.35	59.31
205.0	3.42		16.17	58.93
210.0	3.50		15.99	58.51
215.0	3.58		15.95	58.21
220.0	3.67		15.66	57.92
225.0	3.75		15.54	57.52
230.0	3.83		15.31	57.24
235.0	3.92		15.13	56.89
240.0	4.00		15.05	56.58
245.0	4.08		15.04	56.29
250.0	4.17		14.98	55.94
255.0	4.25		14.85	55.59
260.0	4.33		14.72	55.42
265.0	4.42		14.59	55.19
270.0	4.50		14.50	54.94
275.0	4.58		14.37	54.65
280.0	4.67		14.30	54.39
285.0	4.75		14.24	54.16
290.0	4.83		14.21	54.06
295.0	4.92		14.15	53.67
300.0	5.00		14.03	53.45

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP15-8.PPD
Job Number:	13-53075
Sounding ID:	GCPT-15-8
Location:	Bridgeton Landfill
Sounding Date:	22-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 55
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	61
Longest Trace - Depth (m):	8.500
Longest Trace - Depth (ft):	27.887
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	8.500
		Depth (ft)	27.887
0.0	0.00		73.27
5.0	0.08		130.94
10.0	0.17		134.54
15.0	0.25		140.54
20.0	0.33		143.94
25.0	0.42		146.63
30.0	0.50		148.11
35.0	0.58		149.34
40.0	0.67		150.25
45.0	0.75		150.94
50.0	0.83		151.37
55.0	0.92		151.71
60.0	1.00		151.97
65.0	1.08		152.05
70.0	1.17		152.10
75.0	1.25		151.94
80.0	1.33		151.87
85.0	1.42		151.73
90.0	1.50		151.53
95.0	1.58		151.33
100.0	1.67		151.09
105.0	1.75		150.76
110.0	1.83		150.51
115.0	1.92		150.13
120.0	2.00		149.84
125.0	2.08		149.46
130.0	2.17		149.22

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	8.500
		Depth (ft)	27.887
135.0	2.25		148.81
140.0	2.33		148.50
145.0	2.42		148.06
150.0	2.50		147.62
155.0	2.58		147.26
160.0	2.67		146.98
165.0	2.75		146.64
170.0	2.83		146.23
175.0	2.92		145.93
180.0	3.00		145.45
185.0	3.08		145.17
190.0	3.17		144.83
195.0	3.25		144.41
200.0	3.33		144.16
205.0	3.42		143.77
210.0	3.50		143.42
215.0	3.58		143.12
220.0	3.67		142.70
225.0	3.75		142.45
230.0	3.83		142.00
235.0	3.92		141.76
240.0	4.00		141.41
245.0	4.08		141.04
250.0	4.17		140.77
255.0	4.25		140.48
260.0	4.33		140.21
265.0	4.42		140.04
270.0	4.50		139.57
275.0	4.58		139.29
280.0	4.67		139.02
285.0	4.75		138.65
290.0	4.83		138.31
295.0	4.92		138.07
300.0	5.00		137.83

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP16-1.PPD
Job Number:	13-53075
Sounding ID:	GCPT-16-1
Location:	Bridgeton Landfill
Sounding Date:	23-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 45
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	61
Longest Trace - Depth (m):	5.200
Longest Trace - Depth (ft):	17.060
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	5.200
		Depth (ft)	17.060
0.0	0.00		25.95
5.0	0.08		31.23
10.0	0.17		36.61
15.0	0.25		40.99
20.0	0.33		45.09
25.0	0.42		48.74
30.0	0.50		51.76
35.0	0.58		54.44
40.0	0.67		56.44
45.0	0.75		58.18
50.0	0.83		59.36
55.0	0.92		60.65
60.0	1.00		61.02
65.0	1.08		61.48
70.0	1.17		61.79
75.0	1.25		61.90
80.0	1.33		61.92
85.0	1.42		61.84
90.0	1.50		61.61
95.0	1.58		61.29
100.0	1.67		61.13
105.0	1.75		60.54
110.0	1.83		60.21
115.0	1.92		59.85
120.0	2.00		59.36
125.0	2.08		58.84
130.0	2.17		58.26

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m) Depth (ft)	5.200 17.060
135.0	2.25		57.64
140.0	2.33		57.19
145.0	2.42		56.60
150.0	2.50		56.03
155.0	2.58		55.51
160.0	2.67		55.83
165.0	2.75		54.16
170.0	2.83		53.71
175.0	2.92		53.04
180.0	3.00		52.56
185.0	3.08		51.94
190.0	3.17		51.30
195.0	3.25		50.82
200.0	3.33		50.24
205.0	3.42		49.80
210.0	3.50		49.18
215.0	3.58		48.54
220.0	3.67		47.90
225.0	3.75		47.51
230.0	3.83		46.89
235.0	3.92		46.59
240.0	4.00		45.85
245.0	4.08		45.49
250.0	4.17		44.91
255.0	4.25		44.39
260.0	4.33		43.98
265.0	4.42		43.42
270.0	4.50		42.97
275.0	4.58		42.55
280.0	4.67		42.15
285.0	4.75		41.56
290.0	4.83		41.22
295.0	4.92		40.71
300.0	5.00		40.31

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP16-2.PPD
Job Number:	13-53075
Sounding ID:	GCPT-16-2
Location:	Bridgeton Landfill
Sounding Date:	23-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 40
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	61
Longest Trace - Depth (m):	7.600
Longest Trace - Depth (ft):	24.934
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	7.600
		Depth (ft)	24.934
0.0	0.00		7.65
5.0	0.08		12.06
10.0	0.17		14.33
15.0	0.25		14.74
20.0	0.33		14.86
25.0	0.42		14.83
30.0	0.50		14.63
35.0	0.58		14.51
40.0	0.67		14.39
45.0	0.75		14.16
50.0	0.83		14.05
55.0	0.92		13.81
60.0	1.00		13.70
65.0	1.08		13.47
70.0	1.17		13.36
75.0	1.25		13.12
80.0	1.33		13.01
85.0	1.42		12.93
90.0	1.50		12.83
95.0	1.58		12.64
100.0	1.67		12.53
105.0	1.75		12.47
110.0	1.83		12.22
115.0	1.92		12.18
120.0	2.00		12.04
125.0	2.08		11.97
130.0	2.17		11.81

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	7.600
		Depth (ft)	24.934
135.0	2.25		11.71
140.0	2.33		11.60
145.0	2.42		11.48
150.0	2.50		11.37
155.0	2.58		11.27
160.0	2.67		11.20
165.0	2.75		11.14
170.0	2.83		10.98
175.0	2.92		10.96
180.0	3.00		10.82
185.0	3.08		10.81
190.0	3.17		10.73
195.0	3.25		10.63
200.0	3.33		10.60
205.0	3.42		10.53
210.0	3.50		10.50
215.0	3.58		10.44
220.0	3.67		10.24
225.0	3.75		10.30
230.0	3.83		10.20
235.0	3.92		10.16
240.0	4.00		10.05
245.0	4.08		10.04
250.0	4.17		10.01
255.0	4.25		9.96
260.0	4.33		9.94
265.0	4.42		9.86
270.0	4.50		9.81
275.0	4.58		9.76
280.0	4.67		9.76
285.0	4.75		9.68
290.0	4.83		9.67
295.0	4.92		9.52
300.0	5.00		9.50

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP16-3.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-16-3		
Location:	Bridgeton Landfill		
Sounding Date:	23-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	44
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	1		
Longest Trace - Points:	116		
Longest Trace - Depth (m):	4.950		
Longest Trace - Depth (ft):	16.240		
Longest Trace - Duration (s):	575.0		
Longest Trace - Duration (min):	9.58		
Longest Trace - Duration (hrs):	0.160		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 116	2 61
		Depth (m)	4.950	9.350
		Depth (ft)	16.240	30.675
0.0	0.00		35.14	11.63
5.0	0.08		29.08	-3.13
10.0	0.17		26.26	-1.27
15.0	0.25		24.79	0.11
20.0	0.33		23.31	0.68
25.0	0.42		22.07	1.32
30.0	0.50		20.98	1.67
35.0	0.58		20.14	2.09
40.0	0.67		19.50	2.22
45.0	0.75		18.70	2.21
50.0	0.83		18.04	2.47
55.0	0.92		17.70	2.52
60.0	1.00		17.31	2.48
65.0	1.08		17.04	2.75
70.0	1.17		16.64	2.65
75.0	1.25		16.50	2.73
80.0	1.33		16.16	2.76
85.0	1.42		15.94	2.90
90.0	1.50		15.70	2.81
95.0	1.58		15.39	2.90
100.0	1.67		15.38	2.79
105.0	1.75		15.12	2.84
110.0	1.83		14.98	2.98
115.0	1.92		14.73	2.92
120.0	2.00		14.47	2.93
125.0	2.08		14.46	3.01
130.0	2.17		14.45	2.91

Time (s)	Time (min)	Trace No. Trace Points	1 116	2 61
		Depth (m)	4.950	9.350
		Depth (ft)	16.240	30.675
135.0	2.25		14.23	2.96
140.0	2.33		14.02	3.00
145.0	2.42		13.97	2.96
150.0	2.50		13.83	2.96
155.0	2.58		13.67	2.93
160.0	2.67		13.55	2.98
165.0	2.75		13.32	2.89
170.0	2.83		13.46	3.02
175.0	2.92		13.30	2.90
180.0	3.00		13.19	3.00
185.0	3.08		13.17	3.01
190.0	3.17		13.04	3.02
195.0	3.25		12.68	2.99
200.0	3.33		12.87	2.98
205.0	3.42		12.59	3.07
210.0	3.50		12.63	2.99
215.0	3.58		12.52	3.08
220.0	3.67		12.47	3.09
225.0	3.75		12.42	3.06
230.0	3.83		12.23	3.03
235.0	3.92		12.39	3.03
240.0	4.00		12.37	3.10
245.0	4.08		12.11	3.11
250.0	4.17		12.05	3.00
255.0	4.25		11.91	3.01
260.0	4.33		12.08	3.10
265.0	4.42		11.59	3.04
270.0	4.50		11.73	3.06
275.0	4.58		11.92	3.05
280.0	4.67		11.68	3.00
285.0	4.75		11.76	3.02
290.0	4.83		11.73	3.07
295.0	4.92		11.60	3.01
300.0	5.00		11.56	3.16
305.0	5.08		11.44	
310.0	5.17		11.48	
315.0	5.25		11.38	
320.0	5.33		11.18	
325.0	5.42		11.25	
330.0	5.50		11.09	
335.0	5.58		11.14	
340.0	5.67		11.29	
345.0	5.75		11.13	
350.0	5.83		11.04	
355.0	5.92		11.06	
360.0	6.00		10.97	
365.0	6.08		10.87	
370.0	6.17		10.95	
375.0	6.25		10.93	
380.0	6.33		10.85	
385.0	6.42		10.42	
390.0	6.50		10.86	
395.0	6.58		10.72	

Time (s)	Time (min)	Trace No. Trace Points	1 116	2 61
		Depth (m)	4.950	9.350
		Depth (ft)	16.240	30.675
400.0	6.67		10.74	
405.0	6.75		10.67	
410.0	6.83		10.70	
415.0	6.92		10.65	
420.0	7.00		10.68	
425.0	7.08		10.66	
430.0	7.17		10.53	
435.0	7.25		10.49	
440.0	7.33		10.55	
445.0	7.42		10.38	
450.0	7.50		10.24	
455.0	7.58		10.39	
460.0	7.67		10.44	
465.0	7.75		10.39	
470.0	7.83		10.21	
475.0	7.92		10.20	
480.0	8.00		10.21	
485.0	8.08		10.24	
490.0	8.17		10.18	
495.0	8.25		10.15	
500.0	8.33		10.15	
505.0	8.42		10.06	
510.0	8.50		10.05	
515.0	8.58		10.01	
520.0	8.67		9.96	
525.0	8.75		10.02	
530.0	8.83		9.98	
535.0	8.92		10.01	
540.0	9.00		10.02	
545.0	9.08		9.90	
550.0	9.17		9.78	
555.0	9.25		9.87	
560.0	9.33		9.82	
565.0	9.42		9.83	
570.0	9.50		9.86	
575.0	9.58		9.81	

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP16-4.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-16-4		
Location:	Bridgeton Landfill		
Sounding Date:	23-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	1	Of	179
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	1		
Longest Trace - Points:	61		
Longest Trace - Depth (m):	5.000		
Longest Trace - Depth (ft):	16.404		
Longest Trace - Duration (s):	300.0		
Longest Trace - Duration (min):	5.00		
Longest Trace - Duration (hrs):	0.083		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	5.000
		Depth (ft)	16.404
0.0	0.00		2.40
5.0	0.08		2.87
10.0	0.17		2.34
15.0	0.25		2.03
20.0	0.33		1.93
25.0	0.42		1.72
30.0	0.50		1.58
35.0	0.58		1.61
40.0	0.67		1.49
45.0	0.75		1.45
50.0	0.83		1.41
55.0	0.92		1.35
60.0	1.00		1.38
65.0	1.08		1.31
70.0	1.17		1.34
75.0	1.25		1.33
80.0	1.33		1.21
85.0	1.42		1.12
90.0	1.50		1.14
95.0	1.58		1.12
100.0	1.67		1.19
105.0	1.75		1.14
110.0	1.83		1.14
115.0	1.92		1.12
120.0	2.00		0.99
125.0	2.08		1.09
130.0	2.17		1.04

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	5.000
		Depth (ft)	16.404
135.0	2.25		0.99
140.0	2.33		1.09
145.0	2.42		1.10
150.0	2.50		1.14
155.0	2.58		1.15
160.0	2.67		1.19
165.0	2.75		1.10
170.0	2.83		1.20
175.0	2.92		1.11
180.0	3.00		1.16
185.0	3.08		1.11
190.0	3.17		1.17
195.0	3.25		1.26
200.0	3.33		1.16
205.0	3.42		1.11
210.0	3.50		1.10
215.0	3.58		1.17
220.0	3.67		1.20
225.0	3.75		1.19
230.0	3.83		1.25
235.0	3.92		1.24
240.0	4.00		1.21
245.0	4.08		1.29
250.0	4.17		1.08
255.0	4.25		1.21
260.0	4.33		1.18
265.0	4.42		1.28
270.0	4.50		1.13
275.0	4.58		1.11
280.0	4.67		1.22
285.0	4.75		1.14
290.0	4.83		1.35
295.0	4.92		1.31
300.0	5.00		1.21

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP16-5.PPD
Job Number:	13-53075
Sounding ID:	GCPT-16-5
Location:	Bridgeton Landfill
Sounding Date:	23-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 20
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	61
Longest Trace - Depth (m):	3.650
Longest Trace - Depth (ft):	11.975
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	3.650
		Depth (ft)	11.975
0.0	0.00		132.83
5.0	0.08		173.70
10.0	0.17		168.91
15.0	0.25		164.77
20.0	0.33		160.74
25.0	0.42		157.26
30.0	0.50		153.66
35.0	0.58		150.75
40.0	0.67		148.13
45.0	0.75		145.11
50.0	0.83		143.29
55.0	0.92		141.09
60.0	1.00		139.07
65.0	1.08		136.62
70.0	1.17		134.68
75.0	1.25		132.48
80.0	1.33		130.66
85.0	1.42		129.08
90.0	1.50		128.03
95.0	1.58		125.79
100.0	1.67		124.06
105.0	1.75		122.37
110.0	1.83		121.65
115.0	1.92		119.93
120.0	2.00		118.05
125.0	2.08		117.48
130.0	2.17		115.64

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	3.650
		Depth (ft)	11.975
135.0	2.25		114.34
140.0	2.33		113.00
145.0	2.42		111.76
150.0	2.50		111.19
155.0	2.58		109.69
160.0	2.67		108.42
165.0	2.75		107.26
170.0	2.83		106.60
175.0	2.92		105.18
180.0	3.00		104.16
185.0	3.08		103.31
190.0	3.17		102.72
195.0	3.25		101.41
200.0	3.33		100.33
205.0	3.42		99.44
210.0	3.50		98.21
215.0	3.58		98.19
220.0	3.67		96.92
225.0	3.75		96.00
230.0	3.83		95.06
235.0	3.92		94.26
240.0	4.00		93.91
245.0	4.08		92.98
250.0	4.17		92.04
255.0	4.25		91.42
260.0	4.33		90.43
265.0	4.42		90.01
270.0	4.50		89.31
275.0	4.58		89.03
280.0	4.67		88.23
285.0	4.75		87.46
290.0	4.83		86.73
295.0	4.92		86.09
300.0	5.00		85.35

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP16-6.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-16-6		
Location:	Bridgeton Landfill		
Sounding Date:	23-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	15
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	61		
Longest Trace - Depth (m):	7.750		
Longest Trace - Depth (ft):	25.426		
Longest Trace - Duration (s):	300.0		
Longest Trace - Duration (min):	5.00		
Longest Trace - Duration (hrs):	0.083		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.850	7.750
		Depth (ft)	22.473	25.426
0.0	0.00		6.20	36.31
5.0	0.08		3.51	21.11
10.0	0.17		3.28	17.70
15.0	0.25		3.07	15.71
20.0	0.33		2.86	1.36
25.0	0.42		2.81	3.53
30.0	0.50		2.61	4.11
35.0	0.58		2.64	4.21
40.0	0.67		2.42	4.12
45.0	0.75		2.36	3.83
50.0	0.83		2.28	3.68
55.0	0.92		2.11	3.42
60.0	1.00		2.10	3.35
65.0	1.08		1.97	3.31
70.0	1.17		1.96	3.16
75.0	1.25		1.92	2.99
80.0	1.33		1.80	2.84
85.0	1.42		1.75	2.76
90.0	1.50		1.88	2.67
95.0	1.58		1.82	2.50
100.0	1.67		1.73	2.40
105.0	1.75		1.64	2.42
110.0	1.83		1.73	2.25
115.0	1.92		1.55	2.18
120.0	2.00		1.59	2.13
125.0	2.08		1.59	2.13
130.0	2.17		1.53	1.99

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.850	7.750
		Depth (ft)	22.473	25.426
135.0	2.25		1.46	2.00
140.0	2.33		1.55	1.99
145.0	2.42		1.62	1.97
150.0	2.50		1.49	1.88
155.0	2.58		1.59	1.74
160.0	2.67		1.54	1.88
165.0	2.75		1.53	1.86
170.0	2.83		1.37	1.84
175.0	2.92		1.34	1.54
180.0	3.00		1.26	1.77
185.0	3.08		1.35	1.63
190.0	3.17		1.31	1.52
195.0	3.25		1.31	1.65
200.0	3.33		1.35	1.46
205.0	3.42		1.20	1.64
210.0	3.50		1.26	1.55
215.0	3.58		1.18	1.57
220.0	3.67		1.28	1.50
225.0	3.75		1.07	1.48
230.0	3.83		1.20	1.46
235.0	3.92		1.21	1.38
240.0	4.00		1.14	1.41
245.0	4.08		1.19	1.29
250.0	4.17		1.10	1.44
255.0	4.25		0.97	1.47
260.0	4.33		1.03	1.36
265.0	4.42		0.92	1.28
270.0	4.50		0.97	1.31
275.0	4.58		1.13	1.42
280.0	4.67		1.05	1.31
285.0	4.75		1.04	1.13
290.0	4.83		0.88	1.32
295.0	4.92		0.93	1.31
300.0	5.00		0.92	1.25

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP16-7.PPD
Job Number:	13-53075
Sounding ID:	GCPT-16-7
Location:	Bridgeton Landfill
Sounding Date:	23-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 41
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	61
Longest Trace - Depth (m):	9.150
Longest Trace - Depth (ft):	30.019
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	9.150
		Depth (ft)	30.019
0.0	0.00		6.66
5.0	0.08		6.79
10.0	0.17		6.62
15.0	0.25		6.35
20.0	0.33		6.39
25.0	0.42		6.27
30.0	0.50		6.15
35.0	0.58		6.19
40.0	0.67		6.07
45.0	0.75		5.91
50.0	0.83		5.85
55.0	0.92		5.99
60.0	1.00		5.89
65.0	1.08		5.89
70.0	1.17		5.64
75.0	1.25		5.75
80.0	1.33		5.59
85.0	1.42		5.57
90.0	1.50		5.64
95.0	1.58		5.56
100.0	1.67		5.51
105.0	1.75		5.52
110.0	1.83		5.29
115.0	1.92		5.44
120.0	2.00		5.28
125.0	2.08		5.36
130.0	2.17		5.21

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	9.150
		Depth (ft)	30.019
135.0	2.25		5.30
140.0	2.33		5.24
145.0	2.42		5.14
150.0	2.50		5.31
155.0	2.58		5.08
160.0	2.67		5.19
165.0	2.75		5.04
170.0	2.83		4.97
175.0	2.92		4.94
180.0	3.00		5.06
185.0	3.08		5.04
190.0	3.17		4.92
195.0	3.25		4.90
200.0	3.33		4.85
205.0	3.42		4.90
210.0	3.50		4.87
215.0	3.58		4.81
220.0	3.67		4.82
225.0	3.75		4.72
230.0	3.83		4.72
235.0	3.92		4.68
240.0	4.00		4.74
245.0	4.08		4.78
250.0	4.17		4.76
255.0	4.25		4.74
260.0	4.33		4.68
265.0	4.42		4.63
270.0	4.50		4.49
275.0	4.58		4.63
280.0	4.67		4.60
285.0	4.75		4.47
290.0	4.83		4.56
295.0	4.92		4.51
300.0	5.00		4.44

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP16-8.PPD
Job Number:	13-53075
Sounding ID:	GCPT-16-8
Location:	Bridgeton Landfill
Sounding Date:	23-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 22
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	61
Longest Trace - Depth (m):	4.350
Longest Trace - Depth (ft):	14.271
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	4.350
		Depth (ft)	14.271
0.0	0.00		19.31
5.0	0.08		26.26
10.0	0.17		25.10
15.0	0.25		25.18
20.0	0.33		25.28
25.0	0.42		25.26
30.0	0.50		25.25
35.0	0.58		25.29
40.0	0.67		25.31
45.0	0.75		24.57
50.0	0.83		24.94
55.0	0.92		25.05
60.0	1.00		25.22
65.0	1.08		25.13
70.0	1.17		25.04
75.0	1.25		25.02
80.0	1.33		25.00
85.0	1.42		24.67
90.0	1.50		24.59
95.0	1.58		24.47
100.0	1.67		24.33
105.0	1.75		24.13
110.0	1.83		24.04
115.0	1.92		23.59
120.0	2.00		23.39
125.0	2.08		23.09
130.0	2.17		23.17

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	4.350
		Depth (ft)	14.271
135.0	2.25		23.06
140.0	2.33		22.70
145.0	2.42		22.46
150.0	2.50		22.38
155.0	2.58		22.18
160.0	2.67		22.13
165.0	2.75		21.93
170.0	2.83		21.79
175.0	2.92		21.61
180.0	3.00		21.50
185.0	3.08		21.27
190.0	3.17		21.03
195.0	3.25		20.68
200.0	3.33		20.71
205.0	3.42		20.55
210.0	3.50		20.41
215.0	3.58		20.34
220.0	3.67		20.22
225.0	3.75		20.04
230.0	3.83		19.76
235.0	3.92		19.74
240.0	4.00		19.44
245.0	4.08		19.31
250.0	4.17		19.39
255.0	4.25		19.11
260.0	4.33		19.04
265.0	4.42		19.09
270.0	4.50		18.80
275.0	4.58		18.76
280.0	4.67		18.65
285.0	4.75		18.54
290.0	4.83		18.43
295.0	4.92		18.22
300.0	5.00		18.15

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP28A.PPD
Job Number:	13-53075
Sounding ID:	GCPT-28A
Location:	Bridgeton Landfill
Sounding Date:	14-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 198
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	114
Longest Trace - Depth (m):	7.050
Longest Trace - Depth (ft):	23.130
Longest Trace - Duration (s):	565.0
Longest Trace - Duration (min):	9.42
Longest Trace - Duration (hrs):	0.157
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 114
		Depth (m)	7.050
		Depth (ft)	23.130
0.0	0.00		-0.13
5.0	0.08		-0.20
10.0	0.17		-0.05
15.0	0.25		-0.12
20.0	0.33		0.04
25.0	0.42		0.02
30.0	0.50		0.14
35.0	0.58		0.18
40.0	0.67		0.28
45.0	0.75		0.32
50.0	0.83		0.23
55.0	0.92		0.26
60.0	1.00		0.33
65.0	1.08		0.28
70.0	1.17		0.38
75.0	1.25		0.40
80.0	1.33		0.31
85.0	1.42		0.38
90.0	1.50		0.35
95.0	1.58		0.39
100.0	1.67		0.35
105.0	1.75		0.37
110.0	1.83		0.37
115.0	1.92		0.40
120.0	2.00		0.47
125.0	2.08		0.43
130.0	2.17		0.33

Time (s)	Time (min)	Trace No. Trace Points	1 114
		Depth (m)	7.050
		Depth (ft)	23.130
135.0	2.25		0.35
140.0	2.33		0.39
145.0	2.42		0.38
150.0	2.50		0.46
155.0	2.58		0.44
160.0	2.67		0.40
165.0	2.75		0.43
170.0	2.83		0.47
175.0	2.92		0.39
180.0	3.00		0.40
185.0	3.08		0.52
190.0	3.17		0.42
195.0	3.25		0.49
200.0	3.33		0.48
205.0	3.42		0.51
210.0	3.50		0.41
215.0	3.58		0.42
220.0	3.67		0.45
225.0	3.75		0.52
230.0	3.83		0.37
235.0	3.92		0.38
240.0	4.00		0.40
245.0	4.08		0.45
250.0	4.17		0.41
255.0	4.25		0.44
260.0	4.33		0.55
265.0	4.42		0.59
270.0	4.50		0.44
275.0	4.58		0.47
280.0	4.67		0.52
285.0	4.75		0.49
290.0	4.83		0.39
295.0	4.92		0.50
300.0	5.00		0.50
305.0	5.08		0.50
310.0	5.17		0.50
315.0	5.25		0.44
320.0	5.33		0.49
325.0	5.42		0.47
330.0	5.50		0.50
335.0	5.58		0.44
340.0	5.67		0.47
345.0	5.75		0.45
350.0	5.83		0.45
355.0	5.92		0.56
360.0	6.00		0.47
365.0	6.08		0.55
370.0	6.17		0.51
375.0	6.25		0.57
380.0	6.33		0.47
385.0	6.42		0.48
390.0	6.50		0.45
395.0	6.58		0.58

Time (s)	Time (min)	Trace No. Trace Points	1 114
		Depth (m)	7.050
		Depth (ft)	23.130
400.0	6.67		0.48
405.0	6.75		0.58
410.0	6.83		0.58
415.0	6.92		0.49
420.0	7.00		0.58
425.0	7.08		0.45
430.0	7.17		0.59
435.0	7.25		0.50
440.0	7.33		0.48
445.0	7.42		0.49
450.0	7.50		0.52
455.0	7.58		0.37
460.0	7.67		0.53
465.0	7.75		0.51
470.0	7.83		0.55
475.0	7.92		0.55
480.0	8.00		0.54
485.0	8.08		0.54
490.0	8.17		0.48
495.0	8.25		0.61
500.0	8.33		0.48
505.0	8.42		0.58
510.0	8.50		0.57
515.0	8.58		0.52
520.0	8.67		0.55
525.0	8.75		0.53
530.0	8.83		0.48
535.0	8.92		0.54
540.0	9.00		0.47
545.0	9.08		0.53
550.0	9.17		0.48
555.0	9.25		0.62
560.0	9.33		0.58
565.0	9.42		0.47

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP28.PPD
Job Number:	13-53075
Sounding ID:	GCPT-28
Location:	Bridgeton Landfill
Sounding Date:	13-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 57
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	39
Longest Trace - Depth (m):	6.100
Longest Trace - Depth (ft):	20.013
Longest Trace - Duration (s):	190.0
Longest Trace - Duration (min):	3.17
Longest Trace - Duration (hrs):	0.053
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 39
		Depth (m)	6.100
		Depth (ft)	20.013
0.0	0.00		-0.70
5.0	0.08		-0.82
10.0	0.17		-0.56
15.0	0.25		-0.30
20.0	0.33		-0.56
25.0	0.42		-0.44
30.0	0.50		-0.55
35.0	0.58		-0.42
40.0	0.67		-0.51
45.0	0.75		-0.38
50.0	0.83		-0.51
55.0	0.92		-0.31
60.0	1.00		-0.40
65.0	1.08		-0.20
70.0	1.17		-0.35
75.0	1.25		-0.24
80.0	1.33		-0.23
85.0	1.42		-0.08
90.0	1.50		-0.13
95.0	1.58		-0.01
100.0	1.67		-0.12
105.0	1.75		-0.16
110.0	1.83		-0.10
115.0	1.92		-0.06
120.0	2.00		-0.11
125.0	2.08		-0.18
130.0	2.17		-0.01

Time (s)	Time (min)	Trace No. Trace Points	1 39
		Depth (m)	6.100
		Depth (ft)	20.013
135.0	2.25		0.01
140.0	2.33		0.11
145.0	2.42		-0.04
150.0	2.50		0.09
155.0	2.58		-0.10
160.0	2.67		-0.06
165.0	2.75		-0.06
170.0	2.83		-0.08
175.0	2.92		0.02
180.0	3.00		0.05
185.0	3.08		-0.11
190.0	3.17		-0.06

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP108.PPD
Job Number:	13-53075
Sounding ID:	GCPT-108
Location:	Bridgeton Landfill
Sounding Date:	15-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 42
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	61
Longest Trace - Depth (m):	12.200
Longest Trace - Depth (ft):	40.026
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	12.200
		Depth (ft)	40.026
0.0	0.00		4.35
5.0	0.08		3.77
10.0	0.17		3.53
15.0	0.25		3.50
20.0	0.33		3.42
25.0	0.42		3.42
30.0	0.50		3.43
35.0	0.58		3.43
40.0	0.67		3.49
45.0	0.75		3.45
50.0	0.83		3.52
55.0	0.92		3.44
60.0	1.00		3.44
65.0	1.08		3.46
70.0	1.17		3.47
75.0	1.25		3.43
80.0	1.33		3.40
85.0	1.42		3.55
90.0	1.50		3.46
95.0	1.58		3.50
100.0	1.67		3.40
105.0	1.75		3.40
110.0	1.83		3.54
115.0	1.92		3.40
120.0	2.00		3.43
125.0	2.08		3.49
130.0	2.17		3.43

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	12.200
		Depth (ft)	40.026
135.0	2.25		3.43
140.0	2.33		3.46
145.0	2.42		3.49
150.0	2.50		3.48
155.0	2.58		3.41
160.0	2.67		3.45
165.0	2.75		3.46
170.0	2.83		3.45
175.0	2.92		3.45
180.0	3.00		3.51
185.0	3.08		3.44
190.0	3.17		3.58
195.0	3.25		3.48
200.0	3.33		3.43
205.0	3.42		3.51
210.0	3.50		3.39
215.0	3.58		3.53
220.0	3.67		3.47
225.0	3.75		3.53
230.0	3.83		3.48
235.0	3.92		3.45
240.0	4.00		3.44
245.0	4.08		3.50
250.0	4.17		3.51
255.0	4.25		3.53
260.0	4.33		3.50
265.0	4.42		3.56
270.0	4.50		3.54
275.0	4.58		3.51
280.0	4.67		3.51
285.0	4.75		3.53
290.0	4.83		3.43
295.0	4.92		3.53
300.0	5.00		3.53

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP111A.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-111A		
Location:	Bridgeton Landfill		
Sounding Date:	13-Nov-2013		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	3	Of	88
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	1		
Longest Trace - Points:	32		
Longest Trace - Depth (m):	12.450		
Longest Trace - Depth (ft):	40.846		
Longest Trace - Duration (s):	155.0		
Longest Trace - Duration (min):	2.58		
Longest Trace - Duration (hrs):	0.043		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 32	2 16	3 15
		Depth (m)	12.450	14.450	15.250
		Depth (ft)	40.846	47.408	50.032
0.0	0.00		1.62	5.12	6.97
5.0	0.08		1.40	5.19	6.99
10.0	0.17		1.46	5.17	6.92
15.0	0.25		1.58	5.12	6.76
20.0	0.33		1.73	5.17	6.70
25.0	0.42		1.74	5.15	6.70
30.0	0.50		1.83	5.20	6.62
35.0	0.58		1.77	5.13	6.69
40.0	0.67		1.78	5.19	6.67
45.0	0.75		1.79	5.18	6.60
50.0	0.83		1.80	5.09	6.53
55.0	0.92		1.86	5.05	6.47
60.0	1.00		1.81	5.14	6.49
65.0	1.08		1.88	5.03	6.38
70.0	1.17		1.91	5.01	6.36
75.0	1.25		1.88	5.09	
80.0	1.33		1.91		
85.0	1.42		1.84		
90.0	1.50		1.92		
95.0	1.58		1.92		
100.0	1.67		1.86		
105.0	1.75		1.85		
110.0	1.83		1.86		
115.0	1.92		1.86		
120.0	2.00		1.84		
125.0	2.08		1.88		
130.0	2.17		1.89		

Time (s)	Time (min)	Trace No. Trace Points	1 32	2 16	3 15
		Depth (m)	12.450	14.450	15.250
		Depth (ft)	40.846	47.408	50.032
135.0	2.25		1.86		
140.0	2.33		1.93		
145.0	2.42		1.72		
150.0	2.50		1.83		
155.0	2.58		1.82		

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP111.PPD
Job Number:	13-53075
Sounding ID:	GCPT-111
Location:	Bridgeton Landfill
Sounding Date:	12-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	4 Of 32
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	4
Longest Trace - Points:	181
Longest Trace - Depth (m):	11.800
Longest Trace - Depth (ft):	38.713
Longest Trace - Duration (s):	900.0
Longest Trace - Duration (min):	15.00
Longest Trace - Duration (hrs):	0.250
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 133	2 81	3 50	4 181
		Depth (m)	2.650	7.350	7.550	11.800
		Depth (ft)	8.694	24.114	24.770	38.713
0.0	0.00		-10.84	2.33	8.08	8.86
5.0	0.08		-6.27	2.59	3.91	9.07
10.0	0.17		-4.06	2.76	3.35	8.87
15.0	0.25		-3.06	2.74	3.26	8.79
20.0	0.33		-2.26	2.80	3.33	8.64
25.0	0.42		-1.85	2.87	3.46	8.47
30.0	0.50		-1.45	2.91	3.51	8.40
35.0	0.58		-1.16	2.88	3.52	8.37
40.0	0.67		-0.88	2.81	3.54	8.28
45.0	0.75		-0.72	2.87	3.57	8.28
50.0	0.83		-0.55	2.94	3.59	8.17
55.0	0.92		-0.35	2.95	3.50	8.06
60.0	1.00		-0.25	3.01	3.50	7.97
65.0	1.08		-0.28	2.97	3.55	7.88
70.0	1.17		-0.16	2.95	3.51	7.89
75.0	1.25		0.06	2.97	3.50	7.89
80.0	1.33		0.04	3.01	3.54	7.68
85.0	1.42		0.31	3.02	3.57	7.66
90.0	1.50		0.41	3.04	3.60	7.69
95.0	1.58		0.46	2.97	3.53	7.57
100.0	1.67		0.54	3.07	3.54	7.58
105.0	1.75		0.67	3.04	3.57	7.49
110.0	1.83		0.85	3.05	3.49	7.41
115.0	1.92		0.85	3.09	3.48	7.34
120.0	2.00		1.01	3.14	3.57	7.30
125.0	2.08		1.13	3.11	3.56	7.29
130.0	2.17		1.13	3.05	3.61	7.21

Time (s)	Time (min)	Trace No. Trace Points	1 133	2 81	3 50	4 181
		Depth (m)	2.650	7.350	7.550	11.800
		Depth (ft)	8.694	24.114	24.770	38.713
135.0	2.25		1.24	3.08	3.50	7.22
140.0	2.33		1.27	3.00	3.57	7.19
145.0	2.42		1.33	3.07	3.57	7.10
150.0	2.50		1.49	3.09	3.57	7.09
155.0	2.58		1.50	3.06	3.61	7.01
160.0	2.67		1.67	3.09	3.58	6.97
165.0	2.75		1.32	3.08	3.58	7.01
170.0	2.83		1.34	3.04	3.59	6.89
175.0	2.92		1.54	3.02	3.62	6.82
180.0	3.00		1.58	3.15	3.64	6.78
185.0	3.08		1.75	3.09	3.59	6.74
190.0	3.17		1.80	2.99	3.61	6.70
195.0	3.25		1.91	3.04	3.54	6.68
200.0	3.33		1.93	3.06	3.60	6.63
205.0	3.42		2.03	3.11	3.59	6.60
210.0	3.50		2.14	3.11	3.55	6.55
215.0	3.58		2.16	3.12	3.59	6.51
220.0	3.67		2.23	3.14	3.62	6.51
225.0	3.75		2.28	3.05	3.65	6.41
230.0	3.83		2.38	3.12	3.60	6.38
235.0	3.92		2.42	3.16	3.55	6.36
240.0	4.00		2.48	3.10	3.61	6.31
245.0	4.08		2.43	3.11	3.59	6.31
250.0	4.17		2.54	3.12		6.23
255.0	4.25		2.63	3.09		6.17
260.0	4.33		2.69	3.14		6.12
265.0	4.42		2.79	3.13		6.04
270.0	4.50		2.83	3.17		6.03
275.0	4.58		2.84	3.16		6.01
280.0	4.67		2.82	3.18		5.95
285.0	4.75		2.87	3.11		5.96
290.0	4.83		2.91	3.16		5.95
295.0	4.92		2.95	3.16		5.95
300.0	5.00		2.99	3.18		5.86
305.0	5.08		3.02	3.07		5.94
310.0	5.17		3.02	3.14		5.80
315.0	5.25		3.09	3.17		5.79
320.0	5.33		3.14	3.10		5.72
325.0	5.42		3.05	3.12		5.75
330.0	5.50		3.10	3.16		5.71
335.0	5.58		3.18	3.14		5.71
340.0	5.67		3.19	3.14		5.61
345.0	5.75		3.10	3.10		5.57
350.0	5.83		3.16	3.15		5.59
355.0	5.92		3.20	3.15		5.56
360.0	6.00		3.17	3.21		5.57
365.0	6.08		3.22	3.04		5.49
370.0	6.17		3.23	3.05		5.46
375.0	6.25		3.25	3.09		5.51
380.0	6.33		3.24	3.16		5.44
385.0	6.42		3.29	3.15		5.46
390.0	6.50		3.34	3.15		5.37
395.0	6.58		3.26	3.11		5.38

Time (s)	Time (min)	Trace No. Trace Points	1 133	2 81	3 50	4 181
		Depth (m)	2.650	7.350	7.550	11.800
		Depth (ft)	8.694	24.114	24.770	38.713
400.0	6.67		3.24	3.10		5.35
405.0	6.75		3.34			5.34
410.0	6.83		3.34			5.29
415.0	6.92		3.41			5.27
420.0	7.00		3.43			5.27
425.0	7.08		3.34			5.20
430.0	7.17		3.37			5.07
435.0	7.25		3.41			5.19
440.0	7.33		3.33			5.21
445.0	7.42		3.37			5.16
450.0	7.50		3.38			5.14
455.0	7.58		3.38			5.09
460.0	7.67		3.35			5.06
465.0	7.75		3.42			5.10
470.0	7.83		3.43			5.03
475.0	7.92		3.41			4.98
480.0	8.00		3.37			4.92
485.0	8.08		3.46			4.91
490.0	8.17		3.39			4.92
495.0	8.25		3.38			4.93
500.0	8.33		3.57			4.93
505.0	8.42		3.39			4.90
510.0	8.50		3.46			4.82
515.0	8.58		3.40			4.90
520.0	8.67		3.42			4.84
525.0	8.75		3.41			4.79
530.0	8.83		3.46			4.77
535.0	8.92		3.47			4.82
540.0	9.00		3.39			4.71
545.0	9.08		3.46			4.71
550.0	9.17		3.46			4.73
555.0	9.25		3.46			4.70
560.0	9.33		3.44			4.67
565.0	9.42		3.43			4.61
570.0	9.50		3.44			4.62
575.0	9.58		3.36			4.57
580.0	9.67		3.40			4.62
585.0	9.75		3.50			4.53
590.0	9.83		3.52			4.58
595.0	9.92		3.43			4.54
600.0	10.00		3.47			4.57
605.0	10.08		3.42			4.51
610.0	10.17		3.48			4.46
615.0	10.25		3.47			4.48
620.0	10.33		3.42			4.41
625.0	10.42		3.45			4.48
630.0	10.50		3.42			4.37
635.0	10.58		3.38			4.43
640.0	10.67		3.47			4.37
645.0	10.75		3.39			4.44
650.0	10.83		3.46			4.41
655.0	10.92		3.42			4.29
660.0	11.00		3.45			4.40

Time (s)	Time (min)	Trace No. Trace Points	1 133	2 81	3 50	4 181
		Depth (m)	2.650	7.350	7.550	11.800
		Depth (ft)	8.694	24.114	24.770	38.713
665.0	11.08					4.33
670.0	11.17					4.27
675.0	11.25					4.31
680.0	11.33					4.26
685.0	11.42					4.26
690.0	11.50					4.31
695.0	11.58					4.27
700.0	11.67					4.21
705.0	11.75					4.21
710.0	11.83					4.14
715.0	11.92					4.18
720.0	12.00					4.16
725.0	12.08					4.14
730.0	12.17					4.16
735.0	12.25					4.16
740.0	12.33					4.13
745.0	12.42					4.09
750.0	12.50					4.03
755.0	12.58					3.98
760.0	12.67					4.03
765.0	12.75					3.97
770.0	12.83					3.97
775.0	12.92					4.02
780.0	13.00					3.99
785.0	13.08					3.99
790.0	13.17					3.95
795.0	13.25					3.99
800.0	13.33					3.91
805.0	13.42					3.95
810.0	13.50					3.91
815.0	13.58					3.86
820.0	13.67					3.89
825.0	13.75					3.87
830.0	13.83					3.92
835.0	13.92					3.83
840.0	14.00					3.76
845.0	14.08					3.81
850.0	14.17					3.82
855.0	14.25					3.83
860.0	14.33					3.81
865.0	14.42					3.79
870.0	14.50					3.76
875.0	14.58					3.80
880.0	14.67					3.74
885.0	14.75					3.74
890.0	14.83					3.68
895.0	14.92					3.68
900.0	15.00					3.71

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP119.PPD
Job Number:	13-53075
Sounding ID:	GCPT-119
Location:	Bridgeton Landfill
Sounding Date:	15-Nov-2013
Cone Area (sq cm):	15.0
Number Of Reported Traces:	2 Of 58
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	2
Longest Trace - Points:	61
Longest Trace - Depth (m):	15.200
Longest Trace - Depth (ft):	49.868
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	4.200	15.200
		Depth (ft)	13.779	49.868
0.0	0.00		9.87	15.35
5.0	0.08		14.35	14.91
10.0	0.17		14.52	15.09
15.0	0.25		13.38	15.03
20.0	0.33		12.67	15.05
25.0	0.42		11.86	15.05
30.0	0.50		11.29	15.00
35.0	0.58		10.82	14.97
40.0	0.67		10.32	15.03
45.0	0.75		10.02	14.89
50.0	0.83		9.69	14.82
55.0	0.92		9.48	14.89
60.0	1.00		9.07	14.86
65.0	1.08		8.79	14.73
70.0	1.17		8.48	14.71
75.0	1.25		8.22	14.71
80.0	1.33		8.14	14.67
85.0	1.42		7.89	14.60
90.0	1.50		7.81	14.49
95.0	1.58		7.55	14.46
100.0	1.67		7.27	14.43
105.0	1.75		7.34	14.46
110.0	1.83		7.13	14.43
115.0	1.92		7.01	14.23
120.0	2.00		6.91	14.29
125.0	2.08		6.71	14.19
130.0	2.17		6.70	14.11

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	4.200	15.200
		Depth (ft)	13.779	49.868
135.0	2.25		6.54	14.11
140.0	2.33		6.45	14.06
145.0	2.42		6.40	14.14
150.0	2.50		6.32	14.09
155.0	2.58		6.16	14.09
160.0	2.67		6.05	14.06
165.0	2.75		6.13	13.95
170.0	2.83		5.96	13.91
175.0	2.92		6.01	13.96
180.0	3.00		5.75	13.86
185.0	3.08		5.88	13.74
190.0	3.17		5.70	13.83
195.0	3.25		5.79	13.71
200.0	3.33		5.68	13.76
205.0	3.42		5.55	13.72
210.0	3.50		5.51	13.65
215.0	3.58		5.54	13.79
220.0	3.67		5.43	13.60
225.0	3.75		5.36	13.56
230.0	3.83		5.43	13.54
235.0	3.92		5.22	13.55
240.0	4.00		5.21	13.54
245.0	4.08		5.24	13.53
250.0	4.17		5.31	13.46
255.0	4.25		5.24	13.43
260.0	4.33		5.25	13.41
265.0	4.42		5.17	13.38
270.0	4.50		5.06	13.30
275.0	4.58		5.05	13.43
280.0	4.67		4.98	13.27
285.0	4.75		4.89	13.22
290.0	4.83		5.05	13.33
295.0	4.92		4.89	13.29
300.0	5.00		4.93	13.26

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP1C-2.PPD
Job Number:	13-53075
Sounding ID:	GCPT-1C-2
Location:	Bridgeton Landfill
Sounding Date:	30-Jan-2014
Cone Area (sq cm):	15.0
Number Of Reported Traces:	2 Of 48
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	2
Longest Trace - Points:	61
Longest Trace - Depth (m):	13.450
Longest Trace - Depth (ft):	44.127
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	7.900	13.450
		Depth (ft)	25.918	44.127
0.0	0.00		28.37	15.21
5.0	0.08		18.92	12.30
10.0	0.17		22.97	14.35
15.0	0.25		25.02	14.87
20.0	0.33		26.53	14.83
25.0	0.42		26.94	14.68
30.0	0.50		27.50	14.57
35.0	0.58		27.39	14.32
40.0	0.67		26.90	13.85
45.0	0.75		26.58	13.69
50.0	0.83		26.93	13.28
55.0	0.92		26.56	12.93
60.0	1.00		26.37	12.45
65.0	1.08		26.32	12.17
70.0	1.17		25.22	11.96
75.0	1.25		25.33	11.66
80.0	1.33		25.05	11.42
85.0	1.42		24.23	11.04
90.0	1.50		24.38	10.72
95.0	1.58		23.84	10.59
100.0	1.67		23.40	10.25
105.0	1.75		23.89	9.93
110.0	1.83		22.78	10.07
115.0	1.92		23.07	9.59
120.0	2.00		22.32	9.52
125.0	2.08		22.81	9.63
130.0	2.17		22.11	9.30

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	7.900	13.450
		Depth (ft)	25.918	44.127
135.0	2.25		21.87	9.14
140.0	2.33		21.22	9.01
145.0	2.42		21.30	8.87
150.0	2.50		21.02	8.79
155.0	2.58		20.40	8.80
160.0	2.67		21.10	8.74
165.0	2.75		20.72	8.63
170.0	2.83		20.64	8.57
175.0	2.92		19.82	8.41
180.0	3.00		19.53	8.24
185.0	3.08		19.66	8.23
190.0	3.17		19.26	8.01
195.0	3.25		19.32	8.01
200.0	3.33		19.35	8.02
205.0	3.42		19.35	7.87
210.0	3.50		19.51	7.91
215.0	3.58		19.53	7.96
220.0	3.67		19.21	7.84
225.0	3.75		18.53	7.69
230.0	3.83		18.39	7.57
235.0	3.92		18.25	7.73
240.0	4.00		18.15	7.70
245.0	4.08		17.83	7.69
250.0	4.17		18.03	7.56
255.0	4.25		18.30	7.69
260.0	4.33		18.35	7.56
265.0	4.42		17.33	7.57
270.0	4.50		17.69	7.40
275.0	4.58		17.45	7.44
280.0	4.67		17.20	7.36
285.0	4.75		17.34	7.58
290.0	4.83		17.43	7.48
295.0	4.92		16.87	7.45
300.0	5.00		17.34	7.46

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP1C-2R.PPD
Job Number:	13-53075
Sounding ID:	GCPT-1C-2R
Location:	Bridgeton Landfill
Sounding Date:	06-Feb-2014
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 25
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	101
Longest Trace - Depth (m):	13.150
Longest Trace - Depth (ft):	43.143
Longest Trace - Duration (s):	500.0
Longest Trace - Duration (min):	8.33
Longest Trace - Duration (hrs):	0.139
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 101
		Depth (m)	13.150
		Depth (ft)	43.143
0.0	0.00		15.97
5.0	0.08		17.41
10.0	0.17		11.83
15.0	0.25		12.32
20.0	0.33		12.00
25.0	0.42		11.84
30.0	0.50		11.63
35.0	0.58		11.49
40.0	0.67		11.41
45.0	0.75		10.85
50.0	0.83		10.93
55.0	0.92		10.73
60.0	1.00		10.61
65.0	1.08		10.51
70.0	1.17		10.24
75.0	1.25		10.10
80.0	1.33		10.06
85.0	1.42		9.81
90.0	1.50		9.66
95.0	1.58		9.66
100.0	1.67		9.42
105.0	1.75		9.49
110.0	1.83		9.39
115.0	1.92		9.08
120.0	2.00		9.23
125.0	2.08		9.08
130.0	2.17		9.07

Time (s)	Time (min)	Trace No. Trace Points	1 101
		Depth (m)	13.150
		Depth (ft)	43.143
135.0	2.25		8.98
140.0	2.33		8.78
145.0	2.42		8.95
150.0	2.50		8.82
155.0	2.58		8.59
160.0	2.67		8.85
165.0	2.75		8.56
170.0	2.83		8.67
175.0	2.92		8.68
180.0	3.00		8.77
185.0	3.08		8.46
190.0	3.17		8.46
195.0	3.25		8.54
200.0	3.33		8.52
205.0	3.42		8.43
210.0	3.50		8.33
215.0	3.58		8.46
220.0	3.67		8.34
225.0	3.75		8.52
230.0	3.83		8.20
235.0	3.92		8.59
240.0	4.00		8.49
245.0	4.08		8.40
250.0	4.17		8.39
255.0	4.25		8.33
260.0	4.33		8.40
265.0	4.42		8.57
270.0	4.50		8.40
275.0	4.58		8.47
280.0	4.67		8.34
285.0	4.75		8.22
290.0	4.83		8.45
295.0	4.92		8.32
300.0	5.00		8.30
305.0	5.08		8.38
310.0	5.17		8.41
315.0	5.25		8.32
320.0	5.33		8.25
325.0	5.42		8.44
330.0	5.50		8.60
335.0	5.58		8.40
340.0	5.67		8.51
345.0	5.75		8.50
350.0	5.83		8.54
355.0	5.92		8.59
360.0	6.00		8.55
365.0	6.08		8.45
370.0	6.17		8.46
375.0	6.25		8.59
380.0	6.33		8.50
385.0	6.42		8.66
390.0	6.50		8.58
395.0	6.58		8.51

Time (s)	Time (min)	Trace No. Trace Points	1 101
		Depth (m)	13.150
		Depth (ft)	43.143
400.0	6.67		8.64
405.0	6.75		8.59
410.0	6.83		8.41
415.0	6.92		8.65
420.0	7.00		8.54
425.0	7.08		8.69
430.0	7.17		8.52
435.0	7.25		8.60
440.0	7.33		8.45
445.0	7.42		8.73
450.0	7.50		8.63
455.0	7.58		8.73
460.0	7.67		8.69
465.0	7.75		8.70
470.0	7.83		8.85
475.0	7.92		8.65
480.0	8.00		8.79
485.0	8.08		8.65
490.0	8.17		8.81
495.0	8.25		8.79
500.0	8.33		8.84

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP1C-3.PPD
Job Number:	13-53075
Sounding ID:	GCPT-1C-3
Location:	Bridgeton Landfill
Sounding Date:	30-Jan-2014
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 41
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	61
Longest Trace - Depth (m):	7.850
Longest Trace - Depth (ft):	25.754
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	7.850
		Depth (ft)	25.754
0.0	0.00		41.12
5.0	0.08		34.88
10.0	0.17		33.40
15.0	0.25		33.85
20.0	0.33		33.72
25.0	0.42		34.03
30.0	0.50		33.03
35.0	0.58		33.73
40.0	0.67		33.63
45.0	0.75		33.37
50.0	0.83		33.81
55.0	0.92		33.43
60.0	1.00		33.59
65.0	1.08		33.09
70.0	1.17		33.60
75.0	1.25		33.65
80.0	1.33		33.24
85.0	1.42		33.48
90.0	1.50		33.28
95.0	1.58		32.91
100.0	1.67		32.95
105.0	1.75		32.94
110.0	1.83		32.77
115.0	1.92		32.91
120.0	2.00		32.70
125.0	2.08		32.50
130.0	2.17		32.35

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	7.850
		Depth (ft)	25.754
135.0	2.25		32.82
140.0	2.33		32.67
145.0	2.42		32.70
150.0	2.50		32.01
155.0	2.58		32.72
160.0	2.67		31.76
165.0	2.75		32.37
170.0	2.83		31.79
175.0	2.92		31.41
180.0	3.00		31.61
185.0	3.08		31.73
190.0	3.17		31.79
195.0	3.25		31.14
200.0	3.33		30.91
205.0	3.42		30.29
210.0	3.50		30.70
215.0	3.58		30.49
220.0	3.67		30.50
225.0	3.75		29.78
230.0	3.83		30.56
235.0	3.92		30.30
240.0	4.00		30.65
245.0	4.08		29.49
250.0	4.17		30.30
255.0	4.25		30.17
260.0	4.33		29.88
265.0	4.42		29.92
270.0	4.50		29.64
275.0	4.58		29.06
280.0	4.67		29.20
285.0	4.75		29.12
290.0	4.83		29.47
295.0	4.92		29.61
300.0	5.00		28.96

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP1C-4.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-1C-4		
Location:	Bridgeton Landfill		
Sounding Date:	30-Jan-2014		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	40
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	104		
Longest Trace - Depth (m):	17.600		
Longest Trace - Depth (ft):	57.742		
Longest Trace - Duration (s):	515.0		
Longest Trace - Duration (min):	8.58		
Longest Trace - Duration (hrs):	0.143		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 101	2 104
		Depth (m)	7.100	17.600
		Depth (ft)	23.294	57.742
0.0	0.00		27.69	15.89
5.0	0.08		52.89	14.40
10.0	0.17		75.54	13.75
15.0	0.25		85.65	13.54
20.0	0.33		89.01	13.03
25.0	0.42		89.11	12.57
30.0	0.50		87.44	8.76
35.0	0.58		84.67	9.65
40.0	0.67		82.17	9.54
45.0	0.75		79.90	9.63
50.0	0.83		77.80	9.64
55.0	0.92		75.77	9.80
60.0	1.00		73.79	9.52
65.0	1.08		71.58	9.31
70.0	1.17		69.88	9.37
75.0	1.25		68.15	9.48
80.0	1.33		66.56	9.27
85.0	1.42		64.98	9.21
90.0	1.50		62.57	9.29
95.0	1.58		61.43	9.17
100.0	1.67		60.09	9.22
105.0	1.75		58.01	9.12
110.0	1.83		57.15	9.25
115.0	1.92		56.46	9.10
120.0	2.00		55.33	9.02
125.0	2.08		53.30	9.03
130.0	2.17		52.49	8.96

Time (s)	Time (min)	Trace No. Trace Points	1 101	2 104
		Depth (m)	7.100	17.600
		Depth (ft)	23.294	57.742
135.0	2.25		51.39	9.06
140.0	2.33		50.48	8.85
145.0	2.42		49.92	9.04
150.0	2.50		49.17	9.01
155.0	2.58		47.75	9.18
160.0	2.67		47.26	8.99
165.0	2.75		46.28	8.96
170.0	2.83		45.35	8.94
175.0	2.92		44.24	9.19
180.0	3.00		43.87	8.99
185.0	3.08		43.28	8.98
190.0	3.17		42.52	9.09
195.0	3.25		41.83	9.21
200.0	3.33		41.31	8.98
205.0	3.42		40.33	8.94
210.0	3.50		40.07	9.16
215.0	3.58		38.90	9.17
220.0	3.67		38.57	9.19
225.0	3.75		38.02	9.17
230.0	3.83		37.31	9.20
235.0	3.92		36.97	9.17
240.0	4.00		36.49	9.15
245.0	4.08		35.60	9.18
250.0	4.17		35.51	9.00
255.0	4.25		34.97	9.17
260.0	4.33		34.50	9.12
265.0	4.42		34.49	9.12
270.0	4.50		33.12	9.16
275.0	4.58		32.65	9.32
280.0	4.67		32.36	9.11
285.0	4.75		32.19	9.21
290.0	4.83		31.48	9.19
295.0	4.92		31.31	9.18
300.0	5.00		30.79	9.33
305.0	5.08		30.54	9.40
310.0	5.17		30.02	9.45
315.0	5.25		30.06	9.27
320.0	5.33		29.79	9.22
325.0	5.42		29.39	9.25
330.0	5.50		28.55	9.41
335.0	5.58		28.60	9.37
340.0	5.67		28.01	9.35
345.0	5.75		27.95	9.46
350.0	5.83		27.23	9.41
355.0	5.92		27.07	9.48
360.0	6.00		26.87	9.47
365.0	6.08		26.50	9.55
370.0	6.17		26.31	9.31
375.0	6.25		26.12	9.58
380.0	6.33		25.72	9.49
385.0	6.42		25.73	9.54
390.0	6.50		25.40	9.67
395.0	6.58		24.73	9.34

Time (s)	Time (min)	Trace No. Trace Points	1 101	2 104
		Depth (m)	7.100	17.600
		Depth (ft)	23.294	57.742
400.0	6.67		24.75	9.51
405.0	6.75		24.55	9.64
410.0	6.83		24.58	9.62
415.0	6.92		23.83	9.56
420.0	7.00		23.53	9.51
425.0	7.08		23.82	9.71
430.0	7.17		23.51	9.66
435.0	7.25		23.44	9.71
440.0	7.33		22.92	9.53
445.0	7.42		22.90	9.62
450.0	7.50		22.53	9.68
455.0	7.58		21.99	9.65
460.0	7.67		22.68	9.62
465.0	7.75		22.22	9.69
470.0	7.83		21.56	9.57
475.0	7.92		21.60	9.84
480.0	8.00		21.56	9.76
485.0	8.08		21.07	9.82
490.0	8.17		21.18	9.76
495.0	8.25		21.09	9.55
500.0	8.33		20.41	9.75
505.0	8.42			9.63
510.0	8.50			9.73
515.0	8.58			9.84

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP1C-4R.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-1C-4R		
Location:	Bridgeton Landfill		
Sounding Date:	06-Feb-2014		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	3	Of	48
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	87		
Longest Trace - Depth (m):	15.400		
Longest Trace - Depth (ft):	50.524		
Longest Trace - Duration (s):	430.0		
Longest Trace - Duration (min):	7.17		
Longest Trace - Duration (hrs):	0.119		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 32	2 87	3 61
		Depth (m)	14.300	15.400	16.550
		Depth (ft)	46.915	50.524	54.297
0.0	0.00		8.95	49.15	11.36
5.0	0.08		6.38	59.87	7.24
10.0	0.17		6.02	61.29	2.60
15.0	0.25		5.48	60.91	3.64
20.0	0.33		5.24	66.82	3.57
25.0	0.42		4.97	70.71	3.40
30.0	0.50		4.82	72.25	3.63
35.0	0.58		4.70	72.38	3.68
40.0	0.67		4.40	69.84	3.28
45.0	0.75		4.26	68.84	3.12
50.0	0.83		4.16	68.98	3.25
55.0	0.92		4.12	69.12	2.87
60.0	1.00		3.98	68.71	2.76
65.0	1.08		4.00	67.67	2.86
70.0	1.17		3.93	67.25	2.75
75.0	1.25		3.75	66.03	2.62
80.0	1.33		3.68	66.36	2.43
85.0	1.42		3.65	65.72	2.51
90.0	1.50		3.53	65.40	2.24
95.0	1.58		3.62	64.97	2.34
100.0	1.67		3.65	64.39	2.42
105.0	1.75		3.74	63.92	2.08
110.0	1.83		3.65	63.64	1.97
115.0	1.92		3.38	63.15	2.06
120.0	2.00		3.40	62.79	1.80
125.0	2.08		3.39	62.37	2.00
130.0	2.17		3.45	61.83	1.79

Time (s)	Time (min)	Trace No. Trace Points	1 32	2 87	3 61
		Depth (m)	14.300	15.400	16.550
		Depth (ft)	46.915	50.524	54.297
135.0	2.25		3.48	61.29	1.71
140.0	2.33		3.31	60.75	1.91
145.0	2.42		3.36	60.03	1.73
150.0	2.50		3.42	59.54	1.72
155.0	2.58		3.36	59.13	1.80
160.0	2.67			58.69	1.63
165.0	2.75			58.09	1.65
170.0	2.83			57.70	1.65
175.0	2.92			56.97	1.58
180.0	3.00			56.68	1.56
185.0	3.08			56.03	1.55
190.0	3.17			55.45	1.53
195.0	3.25			54.78	1.45
200.0	3.33			53.72	1.35
205.0	3.42			51.18	1.49
210.0	3.50			48.19	1.43
215.0	3.58			48.30	1.48
220.0	3.67			48.45	1.31
225.0	3.75			48.53	1.37
230.0	3.83			48.85	1.40
235.0	3.92			48.98	1.47
240.0	4.00			48.74	1.28
245.0	4.08			48.52	1.37
250.0	4.17			48.39	1.32
255.0	4.25			48.05	1.11
260.0	4.33			47.53	1.28
265.0	4.42			47.28	1.12
270.0	4.50			46.91	1.10
275.0	4.58			46.58	1.38
280.0	4.67			46.25	1.17
285.0	4.75			45.85	1.28
290.0	4.83			45.44	1.13
295.0	4.92			45.15	1.13
300.0	5.00			44.90	0.99
305.0	5.08			44.49	
310.0	5.17			44.12	
315.0	5.25			43.72	
320.0	5.33			43.55	
325.0	5.42			43.27	
330.0	5.50			42.83	
335.0	5.58			42.59	
340.0	5.67			42.34	
345.0	5.75			41.85	
350.0	5.83			41.68	
355.0	5.92			41.63	
360.0	6.00			41.12	
365.0	6.08			40.83	
370.0	6.17			40.64	
375.0	6.25			40.35	
380.0	6.33			40.14	
385.0	6.42			39.76	
390.0	6.50			39.56	
395.0	6.58			39.21	

Time (s)	Time (min)	Trace No. Trace Points	1 32	2 87	3 61
		Depth (m)	14.300	15.400	16.550
		Depth (ft)	46.915	50.524	54.297
400.0	6.67			39.10	
405.0	6.75			38.88	
410.0	6.83			38.40	
415.0	6.92			38.28	
420.0	7.00			38.15	
425.0	7.08			37.70	
430.0	7.17			37.56	

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP1C-5A.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-1C-5A		
Location:	Bridgeton Landfill		
Sounding Date:	29-Jan-2014		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	55
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	61		
Longest Trace - Depth (m):	14.750		
Longest Trace - Depth (ft):	48.392		
Longest Trace - Duration (s):	300.0		
Longest Trace - Duration (min):	5.00		
Longest Trace - Duration (hrs):	0.083		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.800	14.750
		Depth (ft)	22.309	48.392
0.0	0.00		-5.42	8.10
5.0	0.08		1.62	17.48
10.0	0.17		1.23	15.64
15.0	0.25		1.37	13.65
20.0	0.33		1.52	12.96
25.0	0.42		2.00	12.00
30.0	0.50		1.65	11.93
35.0	0.58		1.33	11.39
40.0	0.67		1.98	11.39
45.0	0.75		1.76	10.50
50.0	0.83		1.57	10.30
55.0	0.92		1.68	10.59
60.0	1.00		1.49	10.10
65.0	1.08		1.07	9.87
70.0	1.17		1.39	9.95
75.0	1.25		1.47	9.73
80.0	1.33		1.64	9.33
85.0	1.42		1.06	9.56
90.0	1.50		1.87	9.60
95.0	1.58		1.50	9.05
100.0	1.67		1.01	9.34
105.0	1.75		1.57	9.21
110.0	1.83		1.21	9.03
115.0	1.92		1.56	8.56
120.0	2.00		1.46	8.28
125.0	2.08		1.56	8.71
130.0	2.17		1.70	8.46

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.800	14.750
		Depth (ft)	22.309	48.392
135.0	2.25		1.25	8.53
140.0	2.33		1.54	8.42
145.0	2.42		1.20	8.04
150.0	2.50		1.71	7.76
155.0	2.58		0.97	8.05
160.0	2.67		1.50	8.13
165.0	2.75		1.60	8.11
170.0	2.83		1.82	8.17
175.0	2.92		1.78	8.03
180.0	3.00		0.63	7.87
185.0	3.08		1.09	8.02
190.0	3.17		1.47	7.78
195.0	3.25		1.61	7.84
200.0	3.33		1.52	8.18
205.0	3.42		0.84	7.46
210.0	3.50		1.23	7.99
215.0	3.58		1.74	7.70
220.0	3.67		1.31	7.26
225.0	3.75		1.58	7.67
230.0	3.83		1.53	7.10
235.0	3.92		1.33	7.37
240.0	4.00		1.26	7.96
245.0	4.08		1.75	7.65
250.0	4.17		0.72	7.35
255.0	4.25		1.56	7.17
260.0	4.33		1.50	7.41
265.0	4.42		1.45	7.57
270.0	4.50		1.23	7.53
275.0	4.58		1.28	6.65
280.0	4.67		1.62	7.23
285.0	4.75		1.25	7.27
290.0	4.83		1.63	7.55
295.0	4.92		1.12	6.96
300.0	5.00		1.37	6.99

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP1C-6.PPD
Job Number:	13-53075
Sounding ID:	GCPT-1C-6
Location:	Bridgeton Landfill
Sounding Date:	07-Feb-2014
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 16
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	91
Longest Trace - Depth (m):	8.250
Longest Trace - Depth (ft):	27.067
Longest Trace - Duration (s):	450.0
Longest Trace - Duration (min):	7.50
Longest Trace - Duration (hrs):	0.125
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 91
		Depth (m)	8.250
		Depth (ft)	27.067
0.0	0.00		0.44
5.0	0.08		0.33
10.0	0.17		0.36
15.0	0.25		0.11
20.0	0.33		-0.02
25.0	0.42		-0.09
30.0	0.50		-0.09
35.0	0.58		-0.18
40.0	0.67		-0.32
45.0	0.75		-0.40
50.0	0.83		-0.31
55.0	0.92		-0.51
60.0	1.00		0.05
65.0	1.08		0.08
70.0	1.17		0.19
75.0	1.25		0.09
80.0	1.33		0.30
85.0	1.42		0.18
90.0	1.50		0.09
95.0	1.58		0.21
100.0	1.67		0.12
105.0	1.75		0.04
110.0	1.83		0.18
115.0	1.92		0.14
120.0	2.00		0.30
125.0	2.08		0.17
130.0	2.17		0.22

Time (s)	Time (min)	Trace No. Trace Points	1 91
		Depth (m)	8.250
		Depth (ft)	27.067
135.0	2.25		0.22
140.0	2.33		0.25
145.0	2.42		0.19
150.0	2.50		0.19
155.0	2.58		0.20
160.0	2.67		0.30
165.0	2.75		0.24
170.0	2.83		0.22
175.0	2.92		0.12
180.0	3.00		0.31
185.0	3.08		0.17
190.0	3.17		0.31
195.0	3.25		0.23
200.0	3.33		0.21
205.0	3.42		0.29
210.0	3.50		0.32
215.0	3.58		0.23
220.0	3.67		0.27
225.0	3.75		0.34
230.0	3.83		0.18
235.0	3.92		0.28
240.0	4.00		0.25
245.0	4.08		0.21
250.0	4.17		0.32
255.0	4.25		0.18
260.0	4.33		0.13
265.0	4.42		0.23
270.0	4.50		0.32
275.0	4.58		0.36
280.0	4.67		0.29
285.0	4.75		0.33
290.0	4.83		0.35
295.0	4.92		0.32
300.0	5.00		0.27
305.0	5.08		0.36
310.0	5.17		0.26
315.0	5.25		0.34
320.0	5.33		0.41
325.0	5.42		0.33
330.0	5.50		0.38
335.0	5.58		0.36
340.0	5.67		0.39
345.0	5.75		0.39
350.0	5.83		0.26
355.0	5.92		0.35
360.0	6.00		0.33
365.0	6.08		0.31
370.0	6.17		0.34
375.0	6.25		0.33
380.0	6.33		0.32
385.0	6.42		0.23
390.0	6.50		0.38
395.0	6.58		0.38

Time (s)	Time (min)	Trace No. Trace Points	1 91
		Depth (m)	8.250
		Depth (ft)	27.067
400.0	6.67		0.35
405.0	6.75		0.41
410.0	6.83		0.39
415.0	6.92		0.29
420.0	7.00		0.36
425.0	7.08		0.41
430.0	7.17		0.41
435.0	7.25		0.35
440.0	7.33		0.38
445.0	7.42		0.39
450.0	7.50		0.40

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP1C-6T1.PPD
Job Number:	13-53075
Sounding ID:	GCPT-1C-6T1
Location:	Bridgeton Landfill/ Bridgeton.
Sounding Date:	18-Feb-2014
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 28
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	279
Longest Trace - Depth (m):	8.100
Longest Trace - Depth (ft):	26.574
Longest Trace - Duration (s):	1390.0
Longest Trace - Duration (min):	23.17
Longest Trace - Duration (hrs):	0.386
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 279
		Depth (m)	8.100
		Depth (ft)	26.574
0.0	0.00		3.79
5.0	0.08		2.97
10.0	0.17		2.74
15.0	0.25		2.63
20.0	0.33		2.55
25.0	0.42		2.26
30.0	0.50		2.25
35.0	0.58		1.96
40.0	0.67		1.97
45.0	0.75		1.77
50.0	0.83		1.61
55.0	0.92		1.52
60.0	1.00		1.43
65.0	1.08		1.34
70.0	1.17		1.23
75.0	1.25		1.09
80.0	1.33		1.04
85.0	1.42		1.04
90.0	1.50		1.01
95.0	1.58		0.81
100.0	1.67		0.66
105.0	1.75		0.88
110.0	1.83		0.77
115.0	1.92		0.74
120.0	2.00		0.51
125.0	2.08		0.70
130.0	2.17		0.56

Time (s)	Time (min)	Trace No. Trace Points	1 279
		Depth (m)	8.100
		Depth (ft)	26.574
135.0	2.25		0.37
140.0	2.33		0.47
145.0	2.42		0.48
150.0	2.50		0.37
155.0	2.58		0.37
160.0	2.67		0.23
165.0	2.75		0.34
170.0	2.83		0.19
175.0	2.92		0.19
180.0	3.00		0.17
185.0	3.08		0.35
190.0	3.17		0.23
195.0	3.25		0.13
200.0	3.33		0.22
205.0	3.42		0.18
210.0	3.50		0.20
215.0	3.58		0.09
220.0	3.67		0.15
225.0	3.75		0.22
230.0	3.83		0.12
235.0	3.92		0.14
240.0	4.00		0.10
245.0	4.08		0.09
250.0	4.17		0.08
255.0	4.25		0.08
260.0	4.33		0.09
265.0	4.42		0.05
270.0	4.50		0.13
275.0	4.58		0.15
280.0	4.67		0.14
285.0	4.75		0.11
290.0	4.83		0.21
295.0	4.92		0.16
300.0	5.00		0.01
305.0	5.08		0.18
310.0	5.17		0.13
315.0	5.25		0.07
320.0	5.33		0.11
325.0	5.42		0.18
330.0	5.50		0.15
335.0	5.58		0.11
340.0	5.67		0.25
345.0	5.75		0.20
350.0	5.83		0.10
355.0	5.92		0.13
360.0	6.00		0.19
365.0	6.08		0.10
370.0	6.17		0.13
375.0	6.25		0.24
380.0	6.33		0.30
385.0	6.42		0.14
390.0	6.50		0.27
395.0	6.58		0.19

Time (s)	Time (min)	Trace No. Trace Points	1 279
		Depth (m)	8.100
		Depth (ft)	26.574
400.0	6.67		0.46
405.0	6.75		0.32
410.0	6.83		0.23
415.0	6.92		0.21
420.0	7.00		0.40
425.0	7.08		0.26
430.0	7.17		0.39
435.0	7.25		0.40
440.0	7.33		0.30
445.0	7.42		0.34
450.0	7.50		0.41
455.0	7.58		0.50
460.0	7.67		0.36
465.0	7.75		0.27
470.0	7.83		0.39
475.0	7.92		0.38
480.0	8.00		0.29
485.0	8.08		0.29
490.0	8.17		0.26
495.0	8.25		0.26
500.0	8.33		0.41
505.0	8.42		0.40
510.0	8.50		0.39
515.0	8.58		0.32
520.0	8.67		0.26
525.0	8.75		0.31
530.0	8.83		0.26
535.0	8.92		0.45
540.0	9.00		0.44
545.0	9.08		0.37
550.0	9.17		0.30
555.0	9.25		0.27
560.0	9.33		0.30
565.0	9.42		0.36
570.0	9.50		0.34
575.0	9.58		0.40
580.0	9.67		0.39
585.0	9.75		0.31
590.0	9.83		0.33
595.0	9.92		0.41
600.0	10.00		0.35
605.0	10.08		0.36
610.0	10.17		0.40
615.0	10.25		0.40
620.0	10.33		0.39
625.0	10.42		0.43
630.0	10.50		0.37
635.0	10.58		0.42
640.0	10.67		0.31
645.0	10.75		0.33
650.0	10.83		0.38
655.0	10.92		0.34
660.0	11.00		0.42

Time (s)	Time (min)	Trace No. Trace Points	1 279
		Depth (m)	8.100
		Depth (ft)	26.574
665.0	11.08		0.26
670.0	11.17		0.45
675.0	11.25		0.44
680.0	11.33		0.50
685.0	11.42		0.53
690.0	11.50		0.46
695.0	11.58		0.35
700.0	11.67		0.41
705.0	11.75		0.37
710.0	11.83		0.45
715.0	11.92		0.33
720.0	12.00		0.34
725.0	12.08		0.43
730.0	12.17		0.53
735.0	12.25		0.39
740.0	12.33		0.27
745.0	12.42		0.39
750.0	12.50		0.33
755.0	12.58		0.42
760.0	12.67		0.44
765.0	12.75		0.36
770.0	12.83		0.33
775.0	12.92		0.36
780.0	13.00		0.38
785.0	13.08		0.46
790.0	13.17		0.42
795.0	13.25		0.40
800.0	13.33		0.45
805.0	13.42		0.37
810.0	13.50		0.36
815.0	13.58		0.38
820.0	13.67		0.40
825.0	13.75		0.26
830.0	13.83		0.38
835.0	13.92		0.33
840.0	14.00		0.42
845.0	14.08		0.30
850.0	14.17		0.29
855.0	14.25		0.39
860.0	14.33		0.33
865.0	14.42		0.33
870.0	14.50		0.42
875.0	14.58		0.33
880.0	14.67		0.33
885.0	14.75		0.36
890.0	14.83		0.49
895.0	14.92		0.29
900.0	15.00		0.45
905.0	15.08		0.45
910.0	15.17		0.35
915.0	15.25		0.48
920.0	15.33		0.38
925.0	15.42		0.43

Time (s)	Time (min)	Trace No. Trace Points	1 279
		Depth (m)	8.100
		Depth (ft)	26.574
930.0	15.50		0.49
935.0	15.58		0.36
940.0	15.67		0.30
945.0	15.75		0.42
950.0	15.83		0.28
955.0	15.92		0.23
960.0	16.00		0.30
965.0	16.08		0.37
970.0	16.17		0.42
975.0	16.25		0.45
980.0	16.33		0.35
985.0	16.42		0.44
990.0	16.50		0.32
995.0	16.58		0.41
1000.0	16.67		0.31
1005.0	16.75		0.43
1010.0	16.83		0.31
1015.0	16.92		0.26
1020.0	17.00		0.36
1025.0	17.08		0.35
1030.0	17.17		0.41
1035.0	17.25		0.35
1040.0	17.33		0.39
1045.0	17.42		0.26
1050.0	17.50		0.31
1055.0	17.58		0.35
1060.0	17.67		0.39
1065.0	17.75		0.42
1070.0	17.83		0.26
1075.0	17.92		0.44
1080.0	18.00		0.38
1085.0	18.08		0.47
1090.0	18.17		0.40
1095.0	18.25		0.37
1100.0	18.33		0.33
1105.0	18.42		0.36
1110.0	18.50		0.50
1115.0	18.58		0.43
1120.0	18.67		0.32
1125.0	18.75		0.32
1130.0	18.83		0.29
1135.0	18.92		0.40
1140.0	19.00		0.34
1145.0	19.08		0.43
1150.0	19.17		0.38
1155.0	19.25		0.50
1160.0	19.33		0.32
1165.0	19.42		0.41
1170.0	19.50		0.37
1175.0	19.58		0.36
1180.0	19.67		0.38
1185.0	19.75		0.41
1190.0	19.83		0.42

Time (s)	Time (min)	Trace No. Trace Points	1 279
		Depth (m)	8.100
		Depth (ft)	26.574
1195.0	19.92		0.44
1200.0	20.00		0.38
1205.0	20.08		0.45
1210.0	20.17		0.38
1215.0	20.25		0.50
1220.0	20.33		0.35
1225.0	20.42		0.34
1230.0	20.50		0.42
1235.0	20.58		0.39
1240.0	20.67		0.49
1245.0	20.75		0.34
1250.0	20.83		0.55
1255.0	20.92		0.34
1260.0	21.00		0.45
1265.0	21.08		0.40
1270.0	21.17		0.33
1275.0	21.25		0.31
1280.0	21.33		0.33
1285.0	21.42		0.46
1290.0	21.50		0.33
1295.0	21.58		0.34
1300.0	21.67		0.42
1305.0	21.75		0.38
1310.0	21.83		0.34
1315.0	21.92		0.49
1320.0	22.00		0.41
1325.0	22.08		0.29
1330.0	22.17		0.38
1335.0	22.25		0.38
1340.0	22.33		0.35
1345.0	22.42		0.50
1350.0	22.50		0.44
1355.0	22.58		0.28
1360.0	22.67		0.48
1365.0	22.75		0.30
1370.0	22.83		0.40
1375.0	22.92		0.28
1380.0	23.00		0.37
1385.0	23.08		0.31
1390.0	23.17		0.45

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP1C-6T.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-1C-6T		
Location:	Bridgeton Landfill/ Bridgeton		
Sounding Date:	18-Feb-2014		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	1	Of	23
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	1		
Longest Trace - Points:	286		
Longest Trace - Depth (m):	8.000		
Longest Trace - Depth (ft):	26.246		
Longest Trace - Duration (s):	1425.0		
Longest Trace - Duration (min):	23.75		
Longest Trace - Duration (hrs):	0.396		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 286
		Depth (m)	8.000
		Depth (ft)	26.246
0.0	0.00		1.73
5.0	0.08		1.74
10.0	0.17		1.66
15.0	0.25		1.68
20.0	0.33		1.56
25.0	0.42		1.61
30.0	0.50		1.36
35.0	0.58		1.41
40.0	0.67		1.37
45.0	0.75		1.31
50.0	0.83		1.35
55.0	0.92		1.18
60.0	1.00		1.13
65.0	1.08		1.19
70.0	1.17		1.00
75.0	1.25		1.09
80.0	1.33		1.08
85.0	1.42		1.07
90.0	1.50		1.06
95.0	1.58		1.05
100.0	1.67		1.17
105.0	1.75		1.08
110.0	1.83		1.12
115.0	1.92		0.99
120.0	2.00		1.48
125.0	2.08		1.23
130.0	2.17		1.09

Time (s)	Time (min)	Trace No. Trace Points	1 286
		Depth (m)	8.000
		Depth (ft)	26.246
135.0	2.25		1.45
140.0	2.33		1.29
145.0	2.42		1.28
150.0	2.50		1.37
155.0	2.58		1.37
160.0	2.67		1.43
165.0	2.75		1.34
170.0	2.83		1.31
175.0	2.92		1.28
180.0	3.00		1.38
185.0	3.08		1.42
190.0	3.17		1.37
195.0	3.25		1.28
200.0	3.33		1.33
205.0	3.42		1.49
210.0	3.50		1.51
215.0	3.58		1.50
220.0	3.67		1.34
225.0	3.75		1.42
230.0	3.83		1.44
235.0	3.92		1.45
240.0	4.00		1.55
245.0	4.08		1.30
250.0	4.17		1.53
255.0	4.25		1.52
260.0	4.33		1.46
265.0	4.42		1.58
270.0	4.50		1.58
275.0	4.58		1.52
280.0	4.67		1.57
285.0	4.75		1.59
290.0	4.83		1.45
295.0	4.92		1.55
300.0	5.00		1.40
305.0	5.08		1.43
310.0	5.17		1.59
315.0	5.25		1.52
320.0	5.33		1.45
325.0	5.42		1.37
330.0	5.50		1.42
335.0	5.58		1.44
340.0	5.67		1.42
345.0	5.75		1.46
350.0	5.83		1.40
355.0	5.92		1.52
360.0	6.00		1.45
365.0	6.08		1.41
370.0	6.17		1.36
375.0	6.25		1.26
380.0	6.33		1.51
385.0	6.42		1.47
390.0	6.50		1.59
395.0	6.58		1.54

Time (s)	Time (min)	Trace No. Trace Points	1 286
		Depth (m)	8.000
		Depth (ft)	26.246
400.0	6.67		1.44
405.0	6.75		1.34
410.0	6.83		1.34
415.0	6.92		1.36
420.0	7.00		1.44
425.0	7.08		1.28
430.0	7.17		1.39
435.0	7.25		1.51
440.0	7.33		1.41
445.0	7.42		1.45
450.0	7.50		1.65
455.0	7.58		1.51
460.0	7.67		1.55
465.0	7.75		1.55
470.0	7.83		1.44
475.0	7.92		1.50
480.0	8.00		1.63
485.0	8.08		1.40
490.0	8.17		1.50
495.0	8.25		1.36
500.0	8.33		1.28
505.0	8.42		1.37
510.0	8.50		1.42
515.0	8.58		1.40
520.0	8.67		1.42
525.0	8.75		1.54
530.0	8.83		1.43
535.0	8.92		1.38
540.0	9.00		1.46
545.0	9.08		1.43
550.0	9.17		1.34
555.0	9.25		1.34
560.0	9.33		1.29
565.0	9.42		1.42
570.0	9.50		1.40
575.0	9.58		1.44
580.0	9.67		1.36
585.0	9.75		1.34
590.0	9.83		1.37
595.0	9.92		1.30
600.0	10.00		1.42
605.0	10.08		1.30
610.0	10.17		1.33
615.0	10.25		1.38
620.0	10.33		1.34
625.0	10.42		1.32
630.0	10.50		1.36
635.0	10.58		1.45
640.0	10.67		1.32
645.0	10.75		1.40
650.0	10.83		1.20
655.0	10.92		1.45
660.0	11.00		1.30

Time (s)	Time (min)	Trace No. Trace Points	1 286
		Depth (m)	8.000
		Depth (ft)	26.246
665.0	11.08		1.41
670.0	11.17		1.58
675.0	11.25		1.37
680.0	11.33		1.30
685.0	11.42		1.41
690.0	11.50		1.49
695.0	11.58		1.28
700.0	11.67		1.43
705.0	11.75		1.36
710.0	11.83		1.32
715.0	11.92		1.38
720.0	12.00		1.32
725.0	12.08		1.50
730.0	12.17		1.38
735.0	12.25		1.31
740.0	12.33		1.49
745.0	12.42		1.48
750.0	12.50		1.48
755.0	12.58		1.26
760.0	12.67		1.39
765.0	12.75		1.39
770.0	12.83		1.26
775.0	12.92		1.28
780.0	13.00		1.34
785.0	13.08		1.51
790.0	13.17		1.58
795.0	13.25		1.49
800.0	13.33		1.32
805.0	13.42		1.42
810.0	13.50		1.38
815.0	13.58		1.33
820.0	13.67		1.50
825.0	13.75		1.43
830.0	13.83		1.39
835.0	13.92		1.42
840.0	14.00		1.43
845.0	14.08		1.55
850.0	14.17		1.59
855.0	14.25		1.33
860.0	14.33		1.60
865.0	14.42		1.41
870.0	14.50		1.26
875.0	14.58		1.44
880.0	14.67		1.31
885.0	14.75		1.37
890.0	14.83		1.38
895.0	14.92		1.33
900.0	15.00		1.41
905.0	15.08		1.50
910.0	15.17		1.28
915.0	15.25		1.41
920.0	15.33		1.38
925.0	15.42		1.38

Time (s)	Time (min)	Trace No. Trace Points	1 286
		Depth (m)	8.000
		Depth (ft)	26.246
930.0	15.50		1.57
935.0	15.58		1.60
940.0	15.67		1.39
945.0	15.75		1.60
950.0	15.83		1.50
955.0	15.92		1.41
960.0	16.00		1.39
965.0	16.08		1.42
970.0	16.17		1.48
975.0	16.25		1.31
980.0	16.33		1.49
985.0	16.42		1.45
990.0	16.50		1.43
995.0	16.58		1.35
1000.0	16.67		1.53
1005.0	16.75		1.61
1010.0	16.83		1.42
1015.0	16.92		1.52
1020.0	17.00		1.60
1025.0	17.08		1.48
1030.0	17.17		1.43
1035.0	17.25		1.46
1040.0	17.33		1.45
1045.0	17.42		1.42
1050.0	17.50		1.50
1055.0	17.58		1.47
1060.0	17.67		1.40
1065.0	17.75		1.35
1070.0	17.83		1.58
1075.0	17.92		1.40
1080.0	18.00		1.57
1085.0	18.08		1.50
1090.0	18.17		1.45
1095.0	18.25		1.36
1100.0	18.33		1.59
1105.0	18.42		1.54
1110.0	18.50		1.33
1115.0	18.58		1.47
1120.0	18.67		1.41
1125.0	18.75		1.38
1130.0	18.83		1.62
1135.0	18.92		1.60
1140.0	19.00		1.47
1145.0	19.08		1.56
1150.0	19.17		1.42
1155.0	19.25		1.45
1160.0	19.33		1.52
1165.0	19.42		1.46
1170.0	19.50		1.42
1175.0	19.58		1.60
1180.0	19.67		1.39
1185.0	19.75		1.60
1190.0	19.83		1.51

Time (s)	Time (min)	Trace No. Trace Points	1 286
		Depth (m)	8.000
		Depth (ft)	26.246
1195.0	19.92		1.41
1200.0	20.00		1.41
1205.0	20.08		1.50
1210.0	20.17		1.48
1215.0	20.25		1.58
1220.0	20.33		1.50
1225.0	20.42		1.44
1230.0	20.50		1.38
1235.0	20.58		1.46
1240.0	20.67		1.58
1245.0	20.75		1.51
1250.0	20.83		1.52
1255.0	20.92		1.46
1260.0	21.00		1.45
1265.0	21.08		1.46
1270.0	21.17		1.60
1275.0	21.25		1.56
1280.0	21.33		1.65
1285.0	21.42		1.43
1290.0	21.50		1.59
1295.0	21.58		1.50
1300.0	21.67		1.41
1305.0	21.75		1.60
1310.0	21.83		1.33
1315.0	21.92		1.42
1320.0	22.00		1.43
1325.0	22.08		1.54
1330.0	22.17		1.47
1335.0	22.25		1.53
1340.0	22.33		1.50
1345.0	22.42		1.41
1350.0	22.50		1.52
1355.0	22.58		1.56
1360.0	22.67		1.59
1365.0	22.75		1.47
1370.0	22.83		1.57
1375.0	22.92		1.49
1380.0	23.00		1.51
1385.0	23.08		1.48
1390.0	23.17		1.51
1395.0	23.25		1.55
1400.0	23.33		1.43
1405.0	23.42		1.59
1410.0	23.50		1.56
1415.0	23.58		1.38
1420.0	23.67		1.54
1425.0	23.75		1.40

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP1C-7.PPD
Job Number:	13-53075
Sounding ID:	GCPT-1C-7
Location:	Bridgeton Landfill/ Bridgeton
Sounding Date:	18-Feb-2014
Cone Area (sq cm):	15.0
Number Of Reported Traces:	2 Of 41
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	2
Longest Trace - Points:	61
Longest Trace - Depth (m):	11.000
Longest Trace - Depth (ft):	36.089
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.250	11.000
		Depth (ft)	20.505	36.089
0.0	0.00		279.21	27.33
5.0	0.08		11.20	26.03
10.0	0.17		8.54	24.48
15.0	0.25		7.85	17.23
20.0	0.33		7.06	17.41
25.0	0.42		6.61	17.31
30.0	0.50		6.27	16.86
35.0	0.58		5.68	16.15
40.0	0.67		5.40	15.42
45.0	0.75		5.19	14.88
50.0	0.83		5.06	14.14
55.0	0.92		4.75	13.76
60.0	1.00		4.48	13.10
65.0	1.08		4.42	12.16
70.0	1.17		4.42	11.98
75.0	1.25		3.99	11.50
80.0	1.33		3.97	10.83
85.0	1.42		3.44	10.38
90.0	1.50		3.46	10.07
95.0	1.58		3.23	9.60
100.0	1.67		3.19	8.82
105.0	1.75		2.86	8.74
110.0	1.83		2.89	8.33
115.0	1.92		2.79	8.30
120.0	2.00		2.43	7.85
125.0	2.08		2.66	7.53
130.0	2.17		2.39	7.18

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.250	11.000
		Depth (ft)	20.505	36.089
135.0	2.25		2.06	7.01
140.0	2.33		2.09	7.05
145.0	2.42		1.96	6.88
150.0	2.50		2.05	6.66
155.0	2.58		1.91	6.31
160.0	2.67		1.82	6.04
165.0	2.75		1.94	6.15
170.0	2.83		1.96	6.05
175.0	2.92		1.79	5.60
180.0	3.00		1.50	5.63
185.0	3.08		1.67	5.58
190.0	3.17		1.43	5.42
195.0	3.25		1.45	5.08
200.0	3.33		1.26	5.10
205.0	3.42		1.48	5.12
210.0	3.50		1.44	5.26
215.0	3.58		1.45	4.95
220.0	3.67		1.27	4.81
225.0	3.75		1.09	4.53
230.0	3.83		1.47	4.77
235.0	3.92		1.10	4.75
240.0	4.00		1.06	4.57
245.0	4.08		1.16	4.42
250.0	4.17		1.26	4.22
255.0	4.25		1.09	4.55
260.0	4.33		1.12	4.40
265.0	4.42		1.12	4.34
270.0	4.50		1.07	3.96
275.0	4.58		0.96	4.14
280.0	4.67		0.97	4.15
285.0	4.75		1.16	4.17
290.0	4.83		1.09	4.27
295.0	4.92		1.08	3.92
300.0	5.00		0.99	4.08

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP1C-8.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-1C-8		
Location:	Bridgeton Landfill		
Sounding Date:	19-Feb-2014		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	79
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	61		
Longest Trace - Depth (m):	12.800		
Longest Trace - Depth (ft):	41.994		
Longest Trace - Duration (s):	300.0		
Longest Trace - Duration (min):	5.00		
Longest Trace - Duration (hrs):	0.083		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	8.500	12.800
		Depth (ft)	27.887	41.994
0.0	0.00		3.12	2.90
5.0	0.08		2.01	2.24
10.0	0.17		2.08	1.92
15.0	0.25		2.28	2.69
20.0	0.33		2.01	2.21
25.0	0.42		1.65	2.19
30.0	0.50		1.69	2.08
35.0	0.58		1.49	2.21
40.0	0.67		1.56	2.12
45.0	0.75		1.32	1.99
50.0	0.83		1.35	2.15
55.0	0.92		1.28	2.02
60.0	1.00		1.16	1.83
65.0	1.08		0.98	1.99
70.0	1.17		0.97	1.89
75.0	1.25		0.88	1.64
80.0	1.33		0.94	1.78
85.0	1.42		0.82	1.63
90.0	1.50		0.65	1.61
95.0	1.58		0.71	1.66
100.0	1.67		0.66	1.50
105.0	1.75		0.58	1.55
110.0	1.83		0.58	1.45
115.0	1.92		0.54	1.50
120.0	2.00		0.42	1.37
125.0	2.08		0.42	1.39
130.0	2.17		0.60	1.28

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	8.500	12.800
		Depth (ft)	27.887	41.994
135.0	2.25		0.46	1.27
140.0	2.33		0.27	1.23
145.0	2.42		0.32	1.28
150.0	2.50		0.37	1.28
155.0	2.58		0.20	1.08
160.0	2.67		0.15	1.21
165.0	2.75		0.22	1.13
170.0	2.83		0.29	1.12
175.0	2.92		0.20	0.97
180.0	3.00		0.11	0.97
185.0	3.08		0.16	1.01
190.0	3.17		0.08	0.91
195.0	3.25		0.04	0.84
200.0	3.33		0.11	0.89
205.0	3.42		-0.07	0.79
210.0	3.50		-0.07	0.86
215.0	3.58		0.02	0.88
220.0	3.67		0.06	0.91
225.0	3.75		-0.01	0.79
230.0	3.83		-0.07	0.93
235.0	3.92		0.06	0.67
240.0	4.00		-0.05	0.61
245.0	4.08		-0.12	0.60
250.0	4.17		-0.15	0.66
255.0	4.25		-0.03	0.66
260.0	4.33		-0.13	0.67
265.0	4.42		-0.07	0.58
270.0	4.50		-0.04	0.51
275.0	4.58		-0.20	0.53
280.0	4.67		-0.14	0.55
285.0	4.75		-0.26	0.61
290.0	4.83		-0.13	0.55
295.0	4.92		-0.36	0.37
300.0	5.00		-0.18	0.65

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP1C-9.PPD
Job Number:	13-53075
Sounding ID:	GCPT-1C-9
Location:	Bridgeton Landfill/ Bridgeton,
Sounding Date:	17-Feb-2014
Cone Area (sq cm):	15.0
Number Of Reported Traces:	2 Of 90
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	2
Longest Trace - Points:	61
Longest Trace - Depth (m):	16.350
Longest Trace - Depth (ft):	53.641
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.650	16.350
		Depth (ft)	21.817	53.641
0.0	0.00		53.57	7.02
5.0	0.08		136.95	4.07
10.0	0.17		136.09	-0.48
15.0	0.25		130.86	1.04
20.0	0.33		125.23	1.42
25.0	0.42		119.99	1.09
30.0	0.50		114.85	1.14
35.0	0.58		110.52	1.35
40.0	0.67		106.94	1.27
45.0	0.75		102.61	1.15
50.0	0.83		99.49	1.00
55.0	0.92		96.02	1.11
60.0	1.00		92.98	0.99
65.0	1.08		90.53	0.94
70.0	1.17		87.99	1.18
75.0	1.25		85.61	1.16
80.0	1.33		83.43	1.29
85.0	1.42		81.48	1.10
90.0	1.50		79.60	0.87
95.0	1.58		77.83	1.17
100.0	1.67		75.99	1.23
105.0	1.75		74.35	1.08
110.0	1.83		72.63	1.07
115.0	1.92		71.13	1.00
120.0	2.00		70.10	0.98
125.0	2.08		68.78	1.25
130.0	2.17		67.38	0.80

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.650	16.350
		Depth (ft)	21.817	53.641
135.0	2.25		66.45	1.41
140.0	2.33		65.47	1.01
145.0	2.42		64.17	1.01
150.0	2.50		62.79	1.07
155.0	2.58		62.09	0.92
160.0	2.67		61.17	1.02
165.0	2.75		60.03	1.01
170.0	2.83		58.92	1.03
175.0	2.92		58.42	0.86
180.0	3.00		57.38	0.90
185.0	3.08		56.44	1.16
190.0	3.17		55.53	0.97
195.0	3.25		54.89	0.99
200.0	3.33		54.16	0.94
205.0	3.42		53.34	0.80
210.0	3.50		52.80	1.26
215.0	3.58		52.44	1.15
220.0	3.67		51.75	1.09
225.0	3.75		50.81	0.91
230.0	3.83		50.49	0.94
235.0	3.92		49.92	0.79
240.0	4.00		49.35	1.38
245.0	4.08		48.58	0.99
250.0	4.17		48.30	0.98
255.0	4.25		47.70	1.04
260.0	4.33		47.28	1.07
265.0	4.42		46.92	0.94
270.0	4.50		46.30	1.02
275.0	4.58		45.80	1.06
280.0	4.67		45.16	1.40
285.0	4.75		45.23	1.35
290.0	4.83		44.76	1.47
295.0	4.92		44.44	1.66
300.0	5.00		44.08	1.92

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP1C-10.PPD
Job Number:	13-53075
Sounding ID:	GCPT-1C-10
Location:	Bridgeton Landfill
Sounding Date:	19-Feb-2014
Cone Area (sq cm):	15.0
Number Of Reported Traces:	1 Of 104
Exceeding Duration in Seconds:	90.0
Longest Trace - Number:	1
Longest Trace - Points:	61
Longest Trace - Depth (m):	13.000
Longest Trace - Depth (ft):	42.650
Longest Trace - Duration (s):	300.0
Longest Trace - Duration (min):	5.00
Longest Trace - Duration (hrs):	0.083
Original Units:	ft
Base Units:	m
Display Units:	ft
Conversion to Base Units:	0.3048
Conversion to Display Units:	3.2808

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	13.000
		Depth (ft)	42.650
0.0	0.00		4.76
5.0	0.08		2.48
10.0	0.17		-3.55
15.0	0.25		-1.21
20.0	0.33		-0.43
25.0	0.42		-0.05
30.0	0.50		0.07
35.0	0.58		0.31
40.0	0.67		0.27
45.0	0.75		0.34
50.0	0.83		0.25
55.0	0.92		0.35
60.0	1.00		0.42
65.0	1.08		0.33
70.0	1.17		0.34
75.0	1.25		0.38
80.0	1.33		0.33
85.0	1.42		0.27
90.0	1.50		0.28
95.0	1.58		0.25
100.0	1.67		0.12
105.0	1.75		0.21
110.0	1.83		0.17
115.0	1.92		0.13
120.0	2.00		0.15
125.0	2.08		0.09
130.0	2.17		0.15

Time (s)	Time (min)	Trace No. Trace Points	1 61
		Depth (m)	13.000
		Depth (ft)	42.650
135.0	2.25		0.21
140.0	2.33		0.10
145.0	2.42		0.06
150.0	2.50		0.07
155.0	2.58		0.09
160.0	2.67		-0.01
165.0	2.75		0.01
170.0	2.83		0.00
175.0	2.92		-0.06
180.0	3.00		-0.02
185.0	3.08		0.01
190.0	3.17		0.03
195.0	3.25		0.00
200.0	3.33		0.03
205.0	3.42		-0.08
210.0	3.50		-0.05
215.0	3.58		-0.13
220.0	3.67		-0.15
225.0	3.75		-0.12
230.0	3.83		-0.11
235.0	3.92		-0.21
240.0	4.00		-0.02
245.0	4.08		-0.11
250.0	4.17		-0.08
255.0	4.25		-0.10
260.0	4.33		-0.16
265.0	4.42		-0.08
270.0	4.50		-0.11
275.0	4.58		-0.15
280.0	4.67		-0.17
285.0	4.75		-0.17
290.0	4.83		-0.18
295.0	4.92		-0.21
300.0	5.00		-0.15

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP1C-11.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-1C-11		
Location:	Bridgeton Landfill		
Sounding Date:	19-Feb-2014		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	155
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	61		
Longest Trace - Depth (m):	11.100		
Longest Trace - Depth (ft):	36.417		
Longest Trace - Duration (s):	300.0		
Longest Trace - Duration (min):	5.00		
Longest Trace - Duration (hrs):	0.083		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	9.150	11.100
		Depth (ft)	30.019	36.417
0.0	0.00		16.32	372.24
5.0	0.08		16.45	479.42
10.0	0.17		15.82	400.03
15.0	0.25		15.64	445.13
20.0	0.33		15.94	396.33
25.0	0.42		15.98	361.19
30.0	0.50		16.08	323.77
35.0	0.58		16.57	287.94
40.0	0.67		16.54	262.88
45.0	0.75		16.96	241.02
50.0	0.83		17.22	224.20
55.0	0.92		17.18	208.97
60.0	1.00		17.57	196.51
65.0	1.08		17.76	186.97
70.0	1.17		18.24	177.28
75.0	1.25		18.09	169.63
80.0	1.33		18.31	161.48
85.0	1.42		18.79	154.42
90.0	1.50		19.03	146.88
95.0	1.58		18.96	140.06
100.0	1.67		18.94	133.85
105.0	1.75		19.04	128.22
110.0	1.83		19.48	122.69
115.0	1.92		19.47	117.35
120.0	2.00		19.51	112.62
125.0	2.08		19.77	107.73
130.0	2.17		19.96	103.53

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	9.150	11.100
		Depth (ft)	30.019	36.417
135.0	2.25		19.61	99.11
140.0	2.33		19.75	95.17
145.0	2.42		19.96	91.09
150.0	2.50		19.99	87.40
155.0	2.58		19.85	83.53
160.0	2.67		19.87	80.34
165.0	2.75		20.18	77.04
170.0	2.83		20.05	72.66
175.0	2.92		19.91	68.94
180.0	3.00		20.02	65.33
185.0	3.08		20.16	62.09
190.0	3.17		19.93	59.19
195.0	3.25		19.97	56.28
200.0	3.33		19.90	53.71
205.0	3.42		19.86	51.16
210.0	3.50		20.00	48.49
215.0	3.58		19.87	46.34
220.0	3.67		19.87	44.09
225.0	3.75		19.92	42.01
230.0	3.83		19.83	40.14
235.0	3.92		19.86	37.89
240.0	4.00		19.82	36.26
245.0	4.08		19.84	34.55
250.0	4.17		19.66	32.84
255.0	4.25		19.59	31.05
260.0	4.33		19.48	29.73
265.0	4.42		19.64	28.28
270.0	4.50		19.53	26.76
275.0	4.58		19.31	25.55
280.0	4.67		19.37	24.28
285.0	4.75		19.69	23.06
290.0	4.83		19.58	22.25
295.0	4.92		19.23	20.93
300.0	5.00		19.09	20.02

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP1C-12.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-1C-12		
Location:	Bridgeton Landfill		
Sounding Date:	19-Feb-2014		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	96
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	71		
Longest Trace - Depth (m):	18.500		
Longest Trace - Depth (ft):	60.695		
Longest Trace - Duration (s):	350.0		
Longest Trace - Duration (min):	5.83		
Longest Trace - Duration (hrs):	0.097		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 71
		Depth (m)	10.550	18.500
		Depth (ft)	34.612	60.695
0.0	0.00		8.18	12.18
5.0	0.08		7.76	11.97
10.0	0.17		7.99	11.93
15.0	0.25		8.05	11.82
20.0	0.33		7.42	11.73
25.0	0.42		7.60	11.72
30.0	0.50		7.53	11.66
35.0	0.58		7.71	11.61
40.0	0.67		7.49	11.69
45.0	0.75		7.51	11.14
50.0	0.83		7.34	10.96
55.0	0.92		7.24	11.18
60.0	1.00		6.98	11.03
65.0	1.08		7.16	11.29
70.0	1.17		7.30	10.75
75.0	1.25		7.27	10.63
80.0	1.33		6.95	10.78
85.0	1.42		7.06	10.31
90.0	1.50		6.75	10.61
95.0	1.58		7.05	10.53
100.0	1.67		7.06	10.40
105.0	1.75		6.50	10.57
110.0	1.83		6.87	10.19
115.0	1.92		6.59	10.22
120.0	2.00		6.45	10.39
125.0	2.08		6.86	10.32
130.0	2.17		6.75	10.00

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 71
		Depth (m)	10.550	18.500
		Depth (ft)	34.612	60.695
135.0	2.25		6.16	10.04
140.0	2.33		6.53	9.65
145.0	2.42		6.43	10.02
150.0	2.50		6.24	10.09
155.0	2.58		6.31	10.07
160.0	2.67		6.14	9.97
165.0	2.75		6.21	9.81
170.0	2.83		6.47	10.08
175.0	2.92		6.29	9.80
180.0	3.00		6.22	9.86
185.0	3.08		6.01	9.83
190.0	3.17		6.36	9.73
195.0	3.25		6.30	9.57
200.0	3.33		5.95	9.89
205.0	3.42		6.06	9.61
210.0	3.50		6.09	9.62
215.0	3.58		6.09	9.52
220.0	3.67		5.68	9.70
225.0	3.75		5.76	9.71
230.0	3.83		6.02	9.32
235.0	3.92		5.77	9.36
240.0	4.00		5.87	9.43
245.0	4.08		5.97	9.34
250.0	4.17		5.84	9.72
255.0	4.25		5.63	9.23
260.0	4.33		5.39	9.00
265.0	4.42		5.57	9.66
270.0	4.50		5.78	9.12
275.0	4.58		5.61	9.26
280.0	4.67		5.87	8.92
285.0	4.75		5.73	8.83
290.0	4.83		5.63	9.29
295.0	4.92		5.57	9.01
300.0	5.00		5.39	9.18
305.0	5.08			9.12
310.0	5.17			9.01
315.0	5.25			8.98
320.0	5.33			9.00
325.0	5.42			9.10
330.0	5.50			8.79
335.0	5.58			9.10
340.0	5.67			9.15
345.0	5.75			8.84
350.0	5.83			8.70

ConeTec Pore Pressure Dissipation Data

Original File:	13-53075_GP1C-13.PPD		
Job Number:	13-53075		
Sounding ID:	GCPT-1C-13		
Location:	Bridgeton Landfill/ Bridgeto		
Sounding Date:	17-Feb-2014		
Cone Area (sq cm):	15.0		
Number Of Reported Traces:	2	Of	102
Exceeding Duration in Seconds:	90.0		
Longest Trace - Number:	2		
Longest Trace - Points:	61		
Longest Trace - Depth (m):	14.350		
Longest Trace - Depth (ft):	47.079		
Longest Trace - Duration (s):	300.0		
Longest Trace - Duration (min):	5.00		
Longest Trace - Duration (hrs):	0.083		
Original Units:	ft		
Base Units:	m		
Display Units:	ft		
Conversion to Base Units:	0.3048		
Conversion to Display Units:	3.2808		

Note: All Pore Pressures are in ft

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.150	14.350
		Depth (ft)	20.177	47.079
0.0	0.00		27.49	7.67
5.0	0.08		42.95	5.57
10.0	0.17		46.04	1.14
15.0	0.25		48.84	2.36
20.0	0.33		51.79	3.09
25.0	0.42		54.21	3.64
30.0	0.50		56.15	4.02
35.0	0.58		58.02	4.20
40.0	0.67		59.72	4.28
45.0	0.75		61.05	4.33
50.0	0.83		62.18	4.35
55.0	0.92		62.89	4.34
60.0	1.00		63.71	4.35
65.0	1.08		63.73	4.31
70.0	1.17		63.83	4.26
75.0	1.25		64.26	4.33
80.0	1.33		64.69	4.39
85.0	1.42		65.03	4.51
90.0	1.50		65.19	4.57
95.0	1.58		65.38	4.51
100.0	1.67		65.49	4.44
105.0	1.75		65.70	4.52
110.0	1.83		65.75	4.51
115.0	1.92		65.91	4.54
120.0	2.00		66.08	4.52
125.0	2.08		66.18	4.51
130.0	2.17		66.18	4.52

Time (s)	Time (min)	Trace No. Trace Points	1 61	2 61
		Depth (m)	6.150	14.350
		Depth (ft)	20.177	47.079
135.0	2.25		66.09	4.48
140.0	2.33		66.17	4.44
145.0	2.42		66.32	4.58
150.0	2.50		66.26	4.55
155.0	2.58		66.42	4.62
160.0	2.67		66.21	4.52
165.0	2.75		66.34	4.66
170.0	2.83		66.31	4.59
175.0	2.92		66.30	4.75
180.0	3.00		66.16	4.65
185.0	3.08		66.36	4.70
190.0	3.17		66.43	4.66
195.0	3.25		67.01	4.70
200.0	3.33		66.22	4.83
205.0	3.42		67.06	4.77
210.0	3.50		66.74	4.73
215.0	3.58		66.33	4.83
220.0	3.67		66.08	4.85
225.0	3.75		65.95	4.82
230.0	3.83		65.79	4.75
235.0	3.92		65.74	4.86
240.0	4.00		65.53	4.89
245.0	4.08		65.40	4.92
250.0	4.17		65.29	4.86
255.0	4.25		65.36	4.82
260.0	4.33		65.26	4.78
265.0	4.42		65.25	4.88
270.0	4.50		65.15	4.96
275.0	4.58		65.11	4.93
280.0	4.67		65.06	4.97
285.0	4.75		64.86	4.98
290.0	4.83		64.82	4.90
295.0	4.92		64.89	4.90
300.0	5.00		64.76	4.99

Sub-Appendix B.3

Eslami and Fellenius 2004 Illustration

3. NEW CPT_u PROFILING METHOD

Eslami and Fellenius [26] developed a soil profiling method when investigating the use of cone penetrometer data in pile designs. A database has been compiled consisting of CPT and CPT_u data associated with the results of boring, sampling, laboratory testing and routine soil characteristics of cases from 18 sources reporting data from 20 sites in 5 countries. About half of the cases were from piezocone tests, CPT_u and include pore pressure measurements (u_2). Non-CPT_u tests were from sand soils and were used with the assumption that each u_2 -value is approximately equal to the neutral pore pressure (u_0). The database values are separated on five main soil type categories listed below.

1. Sensitive and Collapsible Clay and/or Silt, 2. Clay and/or Silt, 3. Silty Clay and/or Clayey Silt, 4. Sandy Silt and/or Silty Sand, 5. Sand and/or Sandy Gravel.

The data points were plotted in a Begemann type profiling chart and envelopes were drawn enclosing each of the five soil types. The envelopes are shown in Fig. 16. The database does not include cases with cemented soils or very stiff clays, and for this reason, no envelopes for such soil types are included in the chart.

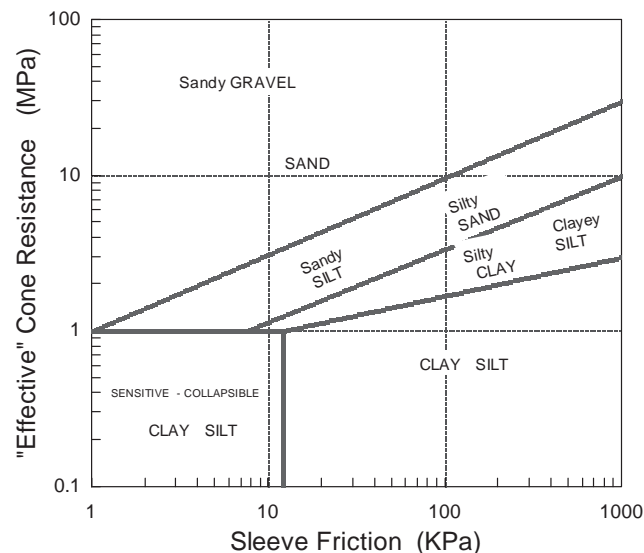


Fig. 16. The Eslami-Fellenius profiling chart [29]

Plotting an “effective” cone resistance defined by Eq. (6) was found to provide a more consistent delineation of envelopes than a plot of only the cone resistance.

$$q_E = (q_t - u_2) \quad (6)$$

where q_E = “effective” cone resistance, q_t = cone resistance corrected for pore water pressure on shoulder (Eq. (1)), u_2 = pore pressure measured at cone shoulder.

The q_E -value was shown to be a consistent value for use in relation to soil responses such as pile shaft and pile toe resistances [27-29]. Notice that, as mentioned by Robertson [5], the measured pore water pressure is a function of where the pore pressure gage is located. Therefore, the q_E -value is by no means a measurement of effective stress in a conventional sense. Because the sleeve friction is a rather approximate measurement, no similar benefit was found in producing an “effective” sleeve friction. In dense, coarse-grained soils, the q_E -value differs only marginally from the q_t -value. In contrast, cone tests in fine-grained soils could generate substantial values of excess pore water pressure causing the q_E -value to be much smaller than the q_t -value.

APPENDIX C

SONIC DRILLING BORING LOGS

Sub-Appendices

C.1 – Sonic Boring Logs

C.2 – Sonic Picture Logs

C.3 – Sonic Downhole Borehole Log and Core Scan

Sub-Appendix C.1

Sonic Boring Logs



Client: RSI/Bridgeton Landfill, LLC
 Project Location: Bridgeton, MO
 Project Name: OU-1 Area 1 - Phase 1B
 Project Number: BT-026

Sampler: Matt Walton - Auxier & Associates
 Driller: Jeremy Leckrone - Frontz Drilling

Drilling Method: Sonic
 Sampling Method: Sonic

Easting: 515878
 Northing: 1068783

GS Elevation: 472.552 ft MSL
 MSL Drill Date: 2/1 - 2/2/2014

Borehole ID: 1-2
 Sheet Number: 1 of 1

FEI Geologist: B. Abernathy
 Helper: Ben Williams, Henry Millard - Frontz Drilling
 Health Phys: Alex Luna - Auxier & Associates
 Data Logger:

Sample
Number

Depth
in
Feet

Recovery
in Inches

Soil/Rock Description

1	0	42/60	CLAY, reworked to build drilling pad/bench (FILL)	
2	5	28/36	CLAY, reworked to build drilling pad/bench (FILL) Top of Waste Elevation 466.552 feet MSL LANDFILLED MATERIAL, with CLAY seams, minor GRAVEL (WASTE)	
3	10	27/120	LANDFILLED MATERIAL, with soft, moist dark gray 10YR 4/1 CLAY seams (WASTE)	
4	15	60/60	LANDFILLED MATERIAL, as above (WASTE) CLAY with occasional LANDFILLED MATERIAL (WASTE) LANDFILLED MATERIAL, paper, wood, glass pieces, plastic (WASTE)	
5	20	19/60	LANDFILLED MATERIAL, wood, plastic, with soft moist CLAY (WASTE) CLAY with minor LANDFILLED MATERIAL (WASTE)	
6	25	76/120	LANDFILLED MATERIAL, plastic bags, wood, metal (WASTE) Bottom of Waste Elevation 442.552 feet MSL CONCRETE with discernable rounded to sub-rounded aggregate in cement mix SILT and SAND, dry, poorly sorted, dark grayish brown 10YR 4/2 (FILL) SAND, dry to moist, fine grained, silty, dark grayish brown 10YR 4/2 (ALLUVIUM)	
7	30	59/60	SILT, with very fine SAND, dry, dense (ALLUVIUM) SILT as above, very dark grayish brown 10YR 3/2 (ALLUVIUM) SAND, dry to moist, fine grained, well sorted, dark grayish brown 10YR 4/2 (ALLUVIUM)	
	35		Bottom of borehole 43 feet	



Client: RSI/Bridgeton Landfill, LLC
 Project Location: Bridgeton, MO
 Project Name: OU-1 Area 1 - Phase 1B
 Project Number: BT-026

Sampler: Matt Walton - Auxier & Associates

Driller: Jeremy Leckrone - Frontz Drilling

Drilling Method: Sonic
 Sampling Method: Sonic

Easting: 515936
 Northing: 1068689

GS Elevation: 469.209 ft MSL
 Drill Date: 2/16/2014

Borehole ID: 1C-6
 Sheet Number: 1 of 2

FEI Geologist: B. Abernathy
 Helper: Ben Williams, Henry Millard - Frontz Drilling
 Health Phys: Alex Luna - Auxier & Associates
 Data Logger: Danny Henry - Auxier & Associates

Sample
Number

Depth
in
Feet

Recovery
in Inches

Soil/Rock Description

1	0	45/60	CLAY, silty, with occasional gravel and organic debris, stiff to firm, dark gray 10YR 4/1 (FILL)	
2	5	30/48	CLAY, silty as above (FILL)	
			Top of Waste Elevation 461.709 feet MSL	
			LANDFILLED MATERIAL, plastic bags, styrofoam (WASTE)	
	10		LANDFILLED MATERIAL, with CLAY bands (WASTE)	
3	15	71/120	CLAY, stiff to firm, moist, dark grayish brown 10YR 4/2 (WASTE)	
			LANDFILLED MATERIAL, wood, hard plastic, paper scrap (WASTE)	
4	20	28/60	LANDFILLED MATERIAL, wire, cloth, plastic tubing, minor CLAY bands (WASTE)	
5	25	60/60	LANDFILLED MATERIAL, metal, plastic bags, some coarse sand and clay (WASTE)	
			Bottom of Waste Elevation 443.209 feet MSL	
			CONCRETE with distinct aggregate, broken, weakly cemented	
	30		CONCRETE as above with abundant gravel at base	
6	35	52/120	SAND, silty at top, fine grained, dry, loose, gray to dark grayish brown 10YR 5/1 to 10YR 4/2 (ALLUVIUM)	
7	40	109/120	SAND, fine grained, moist, loose, gray to dark grayish brown 10YR 5/1 to 10YR 4/2 (ALLUVIUM)	
	45			



Client: RSI/Bridgeton Landfill, LLC
 Project Location: Bridgeton, MO
 Project Name: OU-1 Area 1 - Phase 1B
 Project Number: BT-026

Sampler: Matt Walton - Auxier & Associates

Driller: Jeremy Leckrone - Frontz Drilling

Drilling Method: Sonic
 Sampling Method: Sonic

Easting: 515936
 Northing: 1068689

GS Elevation: 469.209 ft MSL
 Drill Date: 2/16/2014

Borehole ID: 1C-6
 Sheet Number: 2 of 2

FEI Geologist: B. Abernathy
 Helper: Ben Williams, Henry Millard - Frontz Drilling
 Health Phys: Alex Luna - Auxier & Associates
 Data Logger: Danny Henry - Auxier & Associates

Sample
Number

Depth
in
Feet

Recovery
in Inches

Soil/Rock Description

8	50 55	112/120	SAND, fine grained, moist, loose, gray to dark grayish brown 10YR 5/1 to 10YR 4/2 (ALLUVIUM)	
9	60 65	108/120	SAND, fine- to medium-grained coarsening downward, moist to damp, loose to medium dense, gray to dark grayish brown 10YR 5/1 to 10YR 4/2 (ALLUVIUM)	
10	70 75	103/120	SAND, coarsening downward as above, medium dense, occasional coarse sand (ALLUVIUM)	
11	80 85	115/120	SAND, medium-grained coarsening downward, well-graded, damp to wet, coarse grains in distinct layers in bottom 2 feet (ALLUVIUM)	
12	90	31/48	SAND, as above, medium-grained with abundant coarse grains, wet (ALLUVIUM)	
			LIMESTONE, broken (BEDROCK)	
			Bottom of borehole 93 feet	
	95			



Client: RSI/Bridgeton Landfill, LLC
 Project Location: Bridgeton, MO
 Project Name: OU-1 Area 1 - Phase 1B
 Project Number: BT-026

Sampler: Matt Walton - Auxier & Associates
 Driller: Jeremy Leckrone - Frontz Drilling

Drilling Method: Sonic
 Sampling Method: Sonic

Easting: 515926
 Northing: 1068877

GS Elevation: 475.16 ft MSL
 Drill Date: 1/31/2014

Borehole ID: 2-2
 Sheet Number: 1 of 2

FEI Geologist: B. Abernathy
 Helper: Ben Williams, Henry Millard - Frontz Drilling
 Health Phys: Alex Luna - Auxier & Associates
 Data Logger: Danny Henry - Auxier & Associates

Sample
Number

Depth
in
Feet

Recovery
in Inches

Soil/Rock Description

1	0	60/60	GRAVEL, SILT, and silty CLAY, dry dark yellowish brown grading down to very dark grayish brown 10YR 3/2 (FILL)	
	5		Top of Waste Elevation 471.160 feet MSL	
2		24/48	LANDFILLED MATERIAL, wood, plastic, wire (WASTE)	
			SILT with CLAY and minor GRAVEL, moist, very dark gray 10YR 3/1 (WASTE)	
			LANDFILLED MATERIAL, wood, hard plastic and bags (WASTE)	
3	10	85/120	LANDFILLED MATERIAL, with CLAY bands and occasional GRAVEL throughout (WASTE)	
	15			
4	20	49/120	LANDFILLED MATERIAL, tire pieces, plastic tubing, occasional CLAY bands and wire in bottom half (WASTE)	
	25			
5	30	26/60	LANDFILLED MATERIAL, soda can, metal tubing/wire (WASTE)	
			CLAY, stiff, dark gray 10YR 4/1 (WASTE)	
			LANDFILLED MATERIAL, metal tubing, plastic shards, wire (WASTE)	
			CLAY, silty, stiff, dark gray 10YR 4/1 (WASTE)	
6	35	42/60	LANDFILLED MATERIAL, wood, hard plastic (WASTE)	
7	40	93/120	LANDFILLED MATERIAL, auto shredder, metal tubing, plastic (WASTE)	
	45			



Client: RSI/Bridgeton Landfill, LLC

Project Location: Bridgeton, MO

Project Name: OU-1 Area 1 - Phase 1B

Project Number: BT-026

FEI Geologist: B. Abernathy

Helper: Ben Williams, Henry Millard - Frontz Drilling

Health Phys: Alex Luna - Auxier & Associates

Data Logger: Danny Henry - Auxier & Associates

Sampler: Matt Walton - Auxier & Associates

Driller: Jeremy Leckrone - Frontz Drilling

Drilling Method: Sonic

Sampling Method: Sonic

Easting: 515926

Northing: 1068877

GS Elevation: 475.16 ft MSL

Drill Date: 1/31/2014

Borehole ID: 2-2
Sheet Number: 2 of 2

Sample
Number

Depth
in
Feet

Recovery
in Inches

Soil/Rock Description

			Bottom of Waste Elevation 427.160 feet MSL	
	50		SAND, fine, loose, dry to moist, dark gray 10YR 4/1 (ALLUVIUM)	
8		43/60	SAND, very fine coarsening to fine-med, well-sorted and -graded, moist, dark gray grading down to dark grayish brown 10YR 4/1 to 10YR 4/2 (ALLUVIUM)	
	55		Bottom of borehole 54 feet	



Client: RSI/Bridgeton Landfill, LLC
 Project Location: Bridgeton, MO
 Project Name: OU-1 Area 1 - Phase 1B
 Project Number: BT-026

Sampler: Matt Walton - Auxier & Associates

Driller: Jeremy Leckrone - Frontz Drilling

Drilling Method: Sonic
 Sampling Method: Sonic

Easting: 516094
 Northing: 1068987

GS Elevation: 474.367 ft MSL
 Drill Date: 1/30/2014

Borehole ID: 5-3
 Sheet Number: 1 of 2

FEI Geologist: B. Abernathy
 Helper: Ben Williams, Henry Millard - Frontz Drilling
 Health Phys: Alex Luna - Auxier & Associates
 Data Logger:

Sample
Number

Depth
in
Feet

Recovery
in Inches

Soil/Rock Description

1	0	26/60	GRAVEL, SILT, and CLAY, dry to moist, dark gray, 10YR 4/1 (FILL)	
2	5	23/36	<div> <div>GRAVEL, SILT, and CLAY, as above (FILL)</div> <div>Top of Waste Elevation 468.867 feet MSL</div> <div>LANDFILLED MATERIAL, plastic, wood, metal (WASTE)</div> </div>	
3	10	6/120	LANDFILLED MATERIAL and GRAVEL, plastic, metal (WASTE)	
4	15	23/60	LANDFILLED MATERIAL with CLAY seams, wood, plastic, concrete fragments (WASTE)	
5	20	52/60	LANDFILLED MATERIAL with silty CLAY and GRAVEL, wet, very dark gray 10YR 3/1 (WASTE)	
	25		LANDFILLED MATERIAL, wood, hard plastic shards, moist to dry (WASTE)	
6	30	60/60	CLAY with LANDFILLED MATERIAL, very dark gray 10YR 3/1 (WASTE)	
			LANDFILLED MATERIAL, auto shredder, plastic, metal (WASTE)	
			CLAY, moist to damp, very dark gray 10YR 3/1 (WASTE)	
			LANDFILLED MATERIAL, auto shredder, plastic, metal (WASTE)	
7	35	43/60	LANDFILLED MATERIAL with CLAY, wood, hard plastic, moist (WASTE)	
8	40	98/120	LANDFILLED MATERIAL with CLAY, sheet metal (WASTE)	
			CLAY grading to sandy CLAY, moist, firm, dark gray 10YR 4/1 (WASTE)	
			LANDFILLED MATERIAL with CLAY, auto shredder at top (WASTE)	
			CLAY, damp, very dark gray 10YR 3/1 (WASTE)	
	45		LANDFILLED MATERIAL with CLAY, plastic, metal wire, wood (WASTE)	



Client: RSI/Bridgeton Landfill, LLC
Project Location: Bridgeton, MO
Project Name: OU-1 Area 1 - Phase 1B
Project Number: BT-026

Sampler: Matt Walton - Auxier & Associates

Driller: Jeremy Leckrone - Frontz Drilling

Drilling Method: Sonic
Sampling Method: Sonic

Easting: 516094
Northing: 1068987

GS Elevation: 474.367 ft MSL
Drill Date: 1/30/2014

Borehole ID: 5-3
Sheet Number: 2 of 2

FEI Geologist: B. Abernathy
Helper: Ben Williams, Henry Millard - Frontz Drilling
Health Phys: Alex Luna - Auxier & Associates
Data Logger:

Sample
Number

Depth
in
Feet

Recovery
in Inches

Soil/Rock Description

Bottom of Waste Elevation 426.367 feet MSL

9 50 48/60 SAND, fine grained, silty, well-sorted, dense, dark gray 10YR 4/1 (ALLUVIUM)

Bottom of borehole 53 feet

55



Client: RSI/Bridgeton Landfill, LLC
 Project Location: Bridgeton, MO
 Project Name: OU-1 Area 1 - Phase 1B
 Project Number: BT-026

Sampler: Matt Walton - Auxier & Associates
 Driller: Jeremy Leckrone - Frontz Drilling
 Drilling Method: Sonic
 Sampling Method: Sonic
 Easting: 516369
 Northing: 1069041

GS Elevation: 479.753 ft MSL
 Drill Date: 1/20/2014

Borehole ID: 8-1
 Sheet Number: 1 of 2

FEI Geologist: B. Abernathy
 Helper: Ben Williams, Henry Millard - Frontz Drilling
 Health Phys: Alex Luna - Auxier & Associates
 Data Logger:

Sample Number Depth in Feet Recovery in Inches

Soil/Rock Description

1	0	30/60	GRAVEL and CLAY, dry, stiff, dark brown 10YR 3/3 (FILL)	
2	5	18/36	GRAVEL, CLAY, and SILT, dry, very dark gray and dark gray 10YR 3/1 and 10YR 4/1 (FILL)	
3	10	41/60	GRAVEL, CLAY, and SILT as above (FILL) Top of Waste Elevation 470.753 feet MSL LANDFILLED MATERIAL, plastic, paper, metal, wire (WASTE)	
4	15	39/60	LANDFILLED MATERIAL, as above (WASTE) CLAY, moist to damp, dark gray 10YR 4/1, minor SILT (WASTE) LANDFILLED MATERIAL, as above (WASTE)	
5	20	5/60	LANDFILLED MATERIAL, plastic, paper, metal, wire, glass. Poor recovery as material is pushed away from sampler and into the borehole wall (WASTE)	
6	25	4/60	LANDFILLED MATERIAL, plastic, paper, metal, wire, glass. Poor recovery (WASTE)	
7	30	3/60	LANDFILLED MATERIAL, plastic, paper, metal, wire, glass. Material appears to have been shredded prior to disposal (WASTE). Poor recovery.	
8	35	0/60	NO RECOVERY. Trace LANDFILLED MATERIAL in sampler shoe.	
9	40	103/120	LANDFILLED MATERIAL, plastic, paper, metal, wire, glass. Poor recovery (WASTE) CLAY, soft, damp to wet, dark gray 10YR 4/1 (WASTE) LANDFILLED MATERIAL, occasional CLAY lenses, damp (WASTE) Bottom of Waste Elevation 436.753 feet MSL SILT and fine SAND, minor CLAY, moist, dark greenish gray 5GY 4/1 (ALLUVIUM)	



Client: RSI/Bridgeton Landfill, LLC
Project Location: Bridgeton, MO
Project Name: OU-1 Area 1 - Phase 1B
Project Number: BT-026

Sampler: Matt Walton - Auxier & Associates

Driller: Jeremy Leckrone - Frontz Drilling

Drilling Method: Sonic
Sampling Method: Sonic

Easting: 516369
Northing: 1069041

GS Elevation: 479.753 ft MSL
Drill Date: 1/20/2014

Borehole ID: 8-1
Sheet Number: 2 of 2

FEI Geologist: B. Abernathy
Helper: Ben Williams, Henry Millard - Frontz Drilling
Health Phys: Alex Luna - Auxier & Associates
Data Logger:

Sample
Number

Depth
in
Feet

Recovery
in Inches

Soil/Rock Description

10	50	41/60	SILT with fine SAND, moist, dark greenish gray to greenish gray 5GY 4/1 to 5GY 5/1 (ALLUVIUM)	
	55		Bottom of borehole 53 feet	



Client: RSI/Bridgeton Landfill, LLC
 Project Location: Bridgeton, MO
 Project Name: OU-1 Area 1 - Phase 1B
 Project Number: BT-026

Sampler: Matt Walton - Auxier & Associates

Driller: Jeremy Leckrone - Frontz Drilling

Drilling Method: Sonic
 Sampling Method: Sonic

Easting: 516641
 Northing: 1069087

GS Elevation: 478.857 ft MSL
 Drill Date: 1/15/2014

Borehole ID: 12-5
 Sheet Number: 1 of 1

FEI Geologist: B. Abernathy
 Helper: Ben Williams, Henry Millard - Frontz Drilling
 Health Phys: Alex Luna - Auxier & Associates
 Data Logger:

Sample
Number

Depth
in
Feet

Recovery
in Inches

Soil/Rock Description

1	0	44/60	GRAVEL, loose, dry, with CONCRETE, SAND, and CLAY (FILL)	
2	5	7/48	GRAVEL, SAND, and CLAY, occasional wood debris (FILL)	
	10		Top of Waste Elevation 469.857 feet MSL	
3	15	62/120	LANDFILLED MATERIAL, wood scraps, paper, plastic (hard and as bags), paper, wire, occasional moist to damp CLAY lenses (WASTE)	
4	20	32/120	LANDFILLED MATERIAL, as above, some wire and aluminum (WASTE)	
5	30	73/120	LANDFILLED MATERIAL, with CLAY lenses, plastic bags (WASTE)	
6	40	113/120	LANDFILLED MATERIAL, as above, with CLAY lenses throughout, plastic, paper (WASTE)	
	45		Bottom of Waste Elevation 433.857 feet MSL	
			LIMESTONE, dry, broken, light gray 10YR 7/1 on fresh surface, very pale brown rock flour 10YR 7/3 (BEDROCK)	
	50		Bottom of borehole 49 feet	



Client: RSI/Bridgeton Landfill, LLC
 Project Location: Bridgeton, MO
 Project Name: OU-1 Area 1 - Phase 1B
 Project Number: BT-026

Sampler: Matt Walton - Auxier & Associates

Driller: Jeremy Leckrone - Frontz Drilling

Drilling Method: Sonic
 Sampling Method: Sonic

Easting: 516662
 Northing: 1069232

GS Elevation: 472.589 ft MSL
 Drill Date: 1/14/2014

Borehole ID: 13-3
 Sheet Number: 1 of 1

FEI Geologist: B. Abernathy
 Helper: Ben Williams, Henry Millard - Frontz Drilling
 Health Phys: Alex Luna - Auxier & Associates
 Data Logger:

Sample
Number

Depth
in
Feet

Recovery
in
Inches

Soil/Rock Description

1	0	31/60	GRAVEL, loose, dry, with CONCRETE fragments and SAND, minor CLAY (FILL)	
2	5	12/48	GRAVEL with CLAY, occasional SAND, dry, dark grayish brown 10YR 4/2 (FILL)	
	10		Top of Waste Elevation 463.589 feet MSL	
3	15	61/120	LANDFILLED MATERIAL, wood shards, plastic, compressed paper, metal (WASTE)	
4	20	52/120	LANDFILLED MATERIAL, wood, glass, hard plastic, paper, wire (WASTE)	
	25			
5	30	90/120	LANDFILLED MATERIAL, as above, with CLAY lenses throughout, plastic, paper (WASTE)	
	35			
6	40	104/120	LANDFILLED MATERIAL, as above, with CLAY lenses throughout, plastic, paper (WASTE)	
	45		Bottom of Waste Elevation 426.589 feet MSL	
			SILT grading to fine SAND, dry to moist, very dark greenish gray 10Y 3/1 (ALLUVIUM)	
7	50	53/60	SAND, fine grained, well sorted, moist, greenish gray 5GY 5/1 (ALLUVIUM)	
			LIMESTONE GRAVEL, angular clasts, light gray 10YR 7/2 (BEDROCK)	
	55		Bottom of borehole 54 feet	



Client: RSI/Bridgeton Landfill, LLC
 Project Location: Bridgeton, MO
 Project Name: OU-1 Area 1 - Phase 1B
 Project Number: BT-026

Sampler: Matt Walton - Auxier & Associates
 Driller: Jeremy Leckrone - Frontz Drilling

Drilling Method: Sonic
 Sampling Method: Sonic

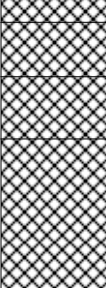




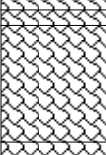
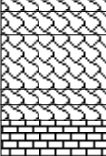
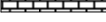
Easting: 516724
 Northing: 1069093

GS Elevation: 475.877 ft MSL
 Drill Date: 2/17/2014

Borehole ID: 13-6
 Sheet Number: 1 of 1

FEI Geologist: B. Abernathy
 Helper: Ben Williams, Henry Millard - Frontz Drilling
 Health Phys: Alex Luna - Auxier & Associates
 Data Logger: Danny Henry - Auxier & Associates

Soil/Rock Description

1	0	50/60	GRAVEL with SAND and CLAY, loose, dry, angular (FILL)		
	5		CLAY, stiff to very stiff, dry, silty, abundant GRAVEL in zones near the top and bottom of sample, brown 10YR 5/3 (FILL)		
2	48/48	CLAY, with SAND and GRAVEL as above (FILL)			
3	10	32/120			CLAY, with SAND and abundant GRAVEL, trace black inclusions, grayish brown to dark grayish brown at base 10YR 5/2 to 10YR 4/2 (FILL)
	15				
4	20	65/120			Top of Waste Elevation 456.877 feet MSL
	25		LANDFILLED MATERIAL, concrete, wood, minor plastic (WASTE)		
			CLAY with sand and minor LANDFILLED MATERIAL, dark grayish brown 10YR 4/2 (WASTE)		
			LANDFILLED MATERIAL, plastic fork, etc (WASTE)		
5	30	47/120	CLAY as above, firm, moist (WASTE)		
	35		LANDFILLED MATERIAL, wood, metal, nails (WASTE)		
			LANDFILLED MATERIAL with CLAY bands in upper foot, plastic, wire (WASTE)		
6	40	96/120	CLAY with minor plastic and metal (WASTE)		
	45		LANDFILLED MATERIAL (WASTE)		
			CLAY, sandy, moist to damp, plastic pieces throughout (WASTE)		
			LANDFILLED MATERIAL with occasional clay lenses (WASTE)		
7	50	71/120	LANDFILLED MATERIAL with occasional clay lenses (WASTE)		
	55		CLAY, firm to soft, trace metal pieces (WASTE)		
			LANDFILLED MATERIAL sharp metal pieces, wood (WASTE)		
			CONCRETE and GRAVEL, broken, dry (WASTE)		
8	60	43/120	CLAY with abundant GRAVEL and occasional wood, hard plastic (WASTE)		
	65		LANDFILLED MATERIAL with abundant plastic (WASTE)		
9	70	52/120	CLAY with LANDFILLED MATERIAL (WASTE)		
	75		LANDFILLED MATERIAL, wood, hard plastic (WASTE)		
10	80	108/120	CLAY with GRAVEL, wood, plastic, wire (WASTE)		
			CLAY as above, firm to soft, damp (WASTE)		
			LANDFILLED MATERIAL with occasional clay lenses (WASTE)		
	85		CLAY with GRAVEL, wood, plastic bags (WASTE)		
			LANDFILLED MATERIAL w/ gravel & clay (WASTE) Bot Waste Elev 389.777 ft MSL		
	90		LIMESTONE, vry hrd, massive, 10YR 5/1 to 6/1 (BEDROCK) Bot of borehole 89 ft		



Client: RSI/Bridgeton Landfill, LLC
 Project Location: Bridgeton, MO
 Project Name: OU-1 Area 1 - Phase 1B
 Project Number: BT-026

Sampler: Matt Walton - Auxier & Associates
 Driller: Jeremy Leckrone - Frontz Drilling
 Drilling Method: Sonic
 Sampling Method: Sonic
 Easting: 516701
 Northing: 1069251

GS Elevation: 474.586 ft MSL
 Drill Date: 1/15/2014

Borehole ID: 14-2
 Sheet Number: 1 of 1

FEI Geologist: B. Abernathy
 Helper: Ben Williams, Henry Millard - Frontz Drilling
 Health Phys: Alex Luna - Auxier & Associates
 Data Logger: Ashley Jahr - Auxier & Associates

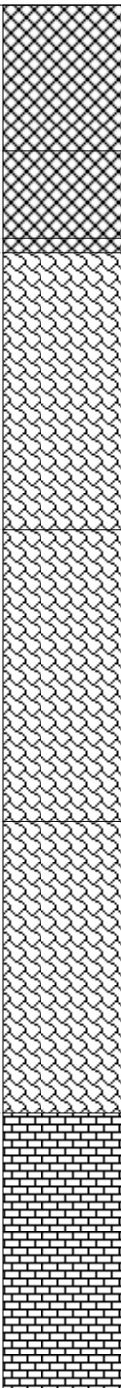
Sample
Number

Depth
in
Feet

Recovery
in Inches

Soil/Rock Description

1	0	38/60	GRAVEL, loose, dry, with CONCRETE fragments and SAND, minor CLAY (FILL)	
2	5	12/36	GRAVEL with CLAY and SAND, dry, dark grayish brown 10YR 4/2 (FILL)	
			Top of Waste Elevation 466.586 feet MSL	
3	10	38/120	LANDFILLED MATERIAL, wood waste, plastic, paper, metal, wire (WASTE)	
	15			
4	20	36/120	LANDFILLED MATERIAL, wood waste, plastic, paper, metal, wire (WASTE)	
	25			
5	30	75/120	LANDFILLED MATERIAL, with CLAY in 6-8 inch lenses, plastic bags, metal (WASTE)	
	35			
6	40	48/120	LANDFILLED MATERIAL, with CLAY lenses as above, minor rock fragments at base (WASTE)	
	45			
	50		LANDFILLED MATERIAL, with CLAY and SAND, some angular to sub-angular GRAVEL (WASTE)	
			Bottom of Waste Elevation 424.586 feet MSL	
7		95/120	LIMESTONE, sandy GRAVEL, light gray 10YR 7/2 (BEDROCK)	
	55		LIMESTONE, dry, broken, light gray 10YR 7/2 (BEDROCK)	
	60		Bottom of borehole 58 feet	

1	0	15/60	GRAVEL, loose, dry, with SAND, sub-angular (FILL)	
2	5	14/36	GRAVEL, loose, dry, with SAND, sub-angular (FILL)	
3	10	7/120	CONCRETE plug in catcher w/ waste material at contact (FILL) Top of Waste Elevation 465.933 feet MSL	
	15		LANDFILLED MATERIAL, wood waste, plastic, paper, metal, wire (WASTE)	
4	20	13/120	LANDFILLED MATERIAL, with CLAY lenses throughout, scrap wood, hard plastic and bags, paper, wire (WASTE)	
	25			
5	30	28/120	LANDFILLED MATERIAL, wood waste, plastic, paper, metal, wire (WASTE)	
	35			
6	40	111/120	Bottom of Waste Elevation 436.433 feet MSL	
	45		LIMESTONE and GRAVEL, broken clasts, light gray on fresh surface 10YR 7/1, white N 8/1 rock flour, dry (BEDROCK) Bottom of borehole 48 feet	



Client: RSI/Bridgeton Landfill, LLC
 Project Location: Bridgeton, MO
 Project Name: OU-1 Area 1 - Phase 1B
 Project Number: BT-026

Sampler: Matt Walton - Auxier & Associates

Driller: Jeremy Leckrone - Frontz Drilling

Drilling Method: Sonic
 Sampling Method: Sonic

Easting: 516778
 Northing: 1069123

GS Elevation: 472.916 ft MSL
 Drill Date: 2/25/2014

Borehole ID: 14-5
 Sheet Number: 1 of 2

FEI Geologist: B. Abernathy
 Helper: Ben Williams, Henry Millard - Frontz Drilling
 Health Phys: Alex Luna - Auxier & Associates
 Data Logger: Ashley Jahr - Auxier & Associates

Sample
Number

Depth
in
Feet

Recovery
in Inches

Soil/Rock Description

1	0	33/60	CLAY with SAND and GRAVEL, dry, very stiff (FILL)	
2	5	48/48	CLAY with SAND and GRAVEL as above (FILL) CONCRETE and fragments of brick, yellowish brown 10YR 5/8 (FILL) CLAY, sandy, dry to moist, stiff to firm (FILL)	
3	10	46/120	CLAY, sandy, soft, yellowish brown 10YR 5/8 (FILL)	
	15		CLAY, soft, brown 10YR 4/3 with very dark gray 10YR 3/1 zones (FILL)	
4	20	66/120	Top of Waste Elevation 453.916 feet MSL	
	25		LANDFILLED MATERIAL, wood, hard plastic and plastic bags, metal wire (WASTE)	
5	30	63/120	LANDFILLED MATERIAL with CLAY bands in bottom half, autoshrd debris, fabric (WASTE)	
	35			
6	40	49/120	LANDFILLED MATERIAL, with CLAY as above, concrete pieces at base (WASTE)	
	45			



Client: RSI/Bridgeton Landfill, LLC
Project Location: Bridgeton, MO
Project Name: OU-1 Area 1 - Phase 1B
Project Number: BT-026

Sampler: Matt Walton - Auxier & Associates

Driller: Jeremy Leckrone - Frontz Drilling

Drilling Method: Sonic
Sampling Method: Sonic

Easting: 516778
Northing: 1069123

GS Elevation: 472.916 ft MSL
Drill Date: 2/25/2014

Borehole ID: 14-5
Sheet Number: 2 of 2

FEI Geologist: B. Abernathy
Helper: Ben Williams, Henry Millard - Frontz Drilling
Health Phys: Alex Luna - Auxier & Associates
Data Logger: Ashley Jahr - Auxier & Associates

Sample
Number

Depth
in
Feet

Recovery
in Inches

Soil/Rock Description

7	50 55	37/120	LANDFILLED MATERIAL, wood, plastic (WASTE)	
8	60 65	81/120	LANDFILLED MATERIAL (WASTE) CLAY, soft, damp, very dark gray 10YR 3/1 (WASTE) LANDFILLED MATERIAL, thick zone of compressed white plastic bags (WASTE)	
9	70 75	31/120	LANDFILLED MATERIAL, with clay band at top (WASTE)	
10	80 85	70/120	LANDFILLED MATERIAL with occasional clay lenses (WASTE)	
			Bottom of Waste Elevation 386.916 feet MSL	
			CLAY, calcareous, with LIMESTONE fragments throughout, gray 10YR 6/1 (ALLUVIUM)	
			LIMESTONE, well cemented, angular breaks, dry (BEDROCK)	
	90		Bottom of borehole 89 feet	



Client: RSI/Bridgeton Landfill, LLC
 Project Location: Bridgeton, MO
 Project Name: OU-1 Area 1 - Phase 1B
 Project Number: BT-026

Sampler: Matt Walton - Auxier & Associates
 Driller: Jeremy Leckrone - Frontz Drilling
 Drilling Method: Sonic
 Sampling Method: Sonic
 Easting: 516849
 Northing: 1069028

GS Elevation: 473.293 ft MSL
 Drill Date: 1/16/2014

Borehole ID: 14-7
 Sheet Number: 1 of 3

FEI Geologist: B. Abernathy
 Helper: Ben Williams, Henry Millard - Frontz Drilling
 Health Phys: Alex Luna - Auxier & Associates
 Data Logger:

Sample
Number

Depth
in
Feet

Recovery
in Inches

Soil/Rock Description

1	0	45/60	GRAVEL, loose, dry, with abundant SAND, angular to sub-angular, dark gray 10YR 4/1 (FILL) CLAY, dry, stiff, with abundant CONCRETE fragments, dark yellowish brown 10YR 4/4 (FILL)	
2		33/48	CLAY, as above, dry, stiff, with abundant CONCRETE, dark yellowish brown 10YR 4/4 (FILL) GRAVEL, with CLAY, dry, sub-angular, very pale brown 10YR 8/3 (FILL)	
3	10	100/120	GRAVEL, with CLAY, as above, increasing SAND, very pale brown grading to very dark grayish brown 10YR 3/2 (FILL) Top of Waste Elevation 460.793 feet MSL LANDFILLED MATERIAL, plastic, paper, some CLAY clasts (WASTE)	
4	20	46/120	LANDFILLED MATERIAL, plastic, paper, minor CLAY, cloth, wire, and aluminum (WASTE)	
5	30	67/120	LANDFILLED MATERIAL with CLAY lenses, plastic bags, wood (WASTE)	
6	40	49/120	LANDFILLED MATERIAL with CLAY lenses, plastic, glass, wood (WASTE)	



Client: RSI/Bridgeton Landfill, LLC
 Project Location: Bridgeton, MO
 Project Name: OU-1 Area 1 - Phase 1B
 Project Number: BT-026

Sampler: Matt Walton - Auxier & Associates
 Driller: Jeremy Leckrone - Frontz Drilling
 Drilling Method: Sonic
 Sampling Method: Sonic
 Easting: 516849
 Northing: 1069028

GS Elevation: 473.293 ft MSL
 Drill Date: 1/16/2014

Borehole ID: 14-7
 Sheet Number: 2 of 3

FEI Geologist: B. Abernathy
 Helper: Ben Williams, Henry Millard - Frontz Drilling
 Health Phys: Alex Luna - Auxier & Associates
 Data Logger:

Sample
Number

Depth
in
Feet

Recovery
in Inches

Soil/Rock Description

7	50	65/120	LANDFILLED MATERIAL with CLAY lenses, plastic, glass, wood (WASTE)	
8	60	56/120	LANDFILLED MATERIAL with minor CLAY, plastic, glass, wood (WASTE)	
9	70	63/120	LANDFILLED MATERIAL, with 18-in sandy CLAY layer at top and other lenses throughout (WASTE)	
10	80	120/120	LANDFILLED MATERIAL with minor CLAY, plastic, glass, wood (WASTE)	
11	90	112/120	LANDFILLED MATERIAL with CLAY lenses, dry (WASTE)	



Client: RSI/Bridgeton Landfill, LLC
Project Location: Bridgeton, MO
Project Name: OU-1 Area 1 - Phase 1B
Project Number: BT-026

Sampler: Matt Walton - Auxier & Associates

Driller: Jeremy Leckrone - Frontz Drilling

Drilling Method: Sonic
Sampling Method: Sonic

Easting: 516849
Northing: 1069028

GS Elevation: 473.293 ft MSL
Drill Date: 1/16/2014

Borehole ID: 14-7
Sheet Number: 3 of 3

FEI Geologist: B. Abernathy
Helper: Ben Williams, Henry Millard - Frontz Drilling
Health Phys: Alex Luna - Auxier & Associates
Data Logger:

Sample
Number

Depth
in
Feet

Recovery
in Inches

Soil/Rock Description

			Bottom of Waste Elevation 375.293 feet MSL	
			SILT and SAND (ALLUVIUM)	
			LIMESTONE w/ CLAY, gray to light gray 10YR 6/1 to 7/1 (BEDROCK)	
12	100	110/120	LIMESTONE GRAVEL with SAND and minor CLAY, gray to light gray as above, with light greenish gray rock flour 10Y 8/1 (BEDROCK)	
	110		Bottom of borehole 109 feet	



Client: RSI/Bridgeton Landfill, LLC
 Project Location: Bridgeton, MO
 Project Name: OU-1 Area 1 - Phase 1B
 Project Number: BT-026

Sampler: Matt Walton - Auxier & Associates
 Driller: Jeremy Leckrone - Frontz Drilling
 Drilling Method: Sonic
 Sampling Method: Sonic
 Easting: 516769
 Northing: 1069281

GS Elevation: 476.482 ft MSL
 Drill Date: 1/17/2014

Borehole ID: 15-2
 Sheet Number: 1 of 2

FEI Geologist: B. Abernathy
 Helper: Ben Williams, Henry Millard - Frontz Drilling
 Health Phys: Alex Luna - Auxier & Associates
 Data Logger:

Sample
Number

Depth
in
Feet

Recovery
in Inches

Soil/Rock Description

1	0	33/60	GRAVEL, loose, dry, with abundant SAND, angular to sub-angular, dark gray 10YR 4/1 (FILL)	
			GRAVEL, loose, dry, with abundant SAND, angular to sub-angular, very pale brown 10YR 8/3 (FILL)	
2	5	30/48	GRAVEL, loose, dry, with SAND and stiff CLAY, grades from dark grayish brown to dark gray 10YR 4/2 to 10YR 4/1 (FILL)	
3	10	69/120	CLAY, stiff, dry to moist, dark grayish brown 10YR 4/2, with SAND and minor sub-angular GRAVEL (FILL)	
	15		SILT, clayey, trace coarse SAND, moist, dark grayish brown 10YR 4/2 (FILL)	
4	20	100/120	CONCRETE clasts, sub-rounded by drilling (FILL)	
			SILT, clayey, minor SAND, moist to damp, very dark gray 10YR 3/1 (FILL)	
	25		Top of Waste Elevation 450.982 feet MSL	
			LANDFILLED MATERIAL, paper sheets (WASTE)	
5		101/120	SILT, clayey, trace SAND, moist to damp, very dark gray 10YR 3/1 (FILL)	
			LANDFILLED MATERIAL, plastic, paper (WASTE)	
	30		Bottom of Waste Elevation 448.482 feet MSL	
			SILT, clayey, trace SAND, moist, very dark gray 10YR 3/1 (ALLUVIUM)	
6	35	98/120	SILT, with CLAY and fine SAND, moist, very dark gray 10YR 3/1 (ALLUVIUM)	
	40		SILT, as above (ALLUVIUM)	
6	45	98/120	CLAY, stiff, dry to moist, plastic, trace silt, very dark gray 10YR 3/1 (ALLUVIUM)	



Client: RSI/Bridgeton Landfill, LLC

Project Location: Bridgeton, MO

Project Name: OU-1 Area 1 - Phase 1B

Project Number: BT-026

FEI Geologist: B. Abernathy

Helper: Ben Williams, Henry Millard - Frontz Drilling

Health Phys: Alex Luna - Auxier & Associates

Data Logger:

Sampler: Matt Walton - Auxier & Associates

Driller: Jeremy Leckrone - Frontz Drilling

Drilling Method: Sonic

Sampling Method: Sonic

Easting: 516769

Northing: 1069281

GS Elevation: 476.482 ft MSL

Drill Date: 1/17/2014

Borehole ID: 15-2
Sheet Number: 2 of 2

Sample
Number

Depth
in
Feet

Recovery
in Inches

Soil/Rock Description

7	50	24/24	LIMESTONE GRAVEL, with CLAY matrix, dry, grayish brown 10YR 5/2 (BEDROCK) LIMESTONE GRAVEL as above w/ rounded 4-in clast at base. Dry rock flour, very pale brown to white 10YR 8/2 to 8/1 (BEDROCK) Bottom of borehole 51 feet	



Client: RSI/Bridgeton Landfill, LLC
Project Location: Bridgeton, MO
Project Name: OU-1 Area 1 - Phase 1B
Project Number: BT-026

Sampler: Matt Walton - Auxier & Associates

Driller: Jeremy Leckrone - Frontz Drilling

Drilling Method: Sonic
Sampling Method: Sonic

Easting: 516837
Northing: 1069267

GS Elevation: 470.739 ft MSL
Drill Date: 1/18/2014

Borehole ID: 16-3
Sheet Number: 1 of 1

FEI Geologist: B. Abernathy

Helper: Ben Williams, Henry Millard - Frontz Drilling

Health Phys: Alex Luna - Auxier & Associates

Data Logger:

Sample
Number

Depth
in
Feet

Recovery
in Inches

Soil/Rock Description

1	0	6/60	GRAVEL, loose, dry, with SAND, sub-angular (FILL)	
2	5	31/36	CLAY, silty, firm, dry, with GRAVEL, dark yellowish brown 10YR 4/4 (FILL)	
3	10	74/120	CLAY, silty, firm, dry, with SILT and GRAVEL, dark yellowish brown 10YR 4/4. Increasing plasticity lower half, grades to very dark grayish brown 10YR 3/2 (FILL)	
	15		Top of Waste Elevation 457.739 feet MSL	
			LANDFILLED MATERIAL, wood waste, plastic, paper, metal, wire (WASTE)	
4	20	19/120	LANDFILLED MATERIAL, wood waste, plastic, paper, metal, wire (WASTE)	
	25			
	30		Bottom of Waste Elevation 442.739 feet MSL	
5	35	83/120	LIMESTONE GRAVEL, broken rounded clasts, light gray 10YR 7/1 with white N 8/1 rock flour, dry (BEDROCK)	
			Bottom of borehole 38 feet	



Client: RSI/Bridgeton Landfill, LLC
 Project Location: Bridgeton, MO
 Project Name: OU-1 Area 1 - Phase 1B
 Project Number: BT-026

Sampler: Matt Walton - Auxier & Associates
 Driller: Jeremy Leckrone - Frontz Drilling

Drilling Method: Sonic
 Sampling Method: Sonic

Easting: 516939
 Northing: 1069155

GS Elevation: 477.055 ft MSL
 Drill Date: 1/18/2014

Borehole ID: 16-6
 Sheet Number: 1 of 1

FEI Geologist: B. Abernathy
 Helper: Ben Williams, Henry Millard - Frontz Drilling
 Health Phys: Alex Luna - Auxier & Associates
 Data Logger:

Sample
Number
Depth
in
Feet
Recovery
in Inches

Soil/Rock Description

1	0	14/60	GRAVEL, loose, dry, with SAND, CLAY, wood and rebar (FILL)	
2	5	38/48	CLAY with SILT, dry, stiff, very dark grayish brown to dark grayish brown 10YR 3/2 to 10YR 4/2 (FILL) Top of Waste Elevation 470.055 feet MSL LANDFILLED MATERIAL, paper, plastic bags, wire (WASTE)	
3	10	68/120	LANDFILLED MATERIAL, as above, dry paper, plastic, bits of wire (WASTE) CLAY, stiff, moist to damp, dark greenish gray 5GY 4/1 (WASTE) LANDFILLED MATERIAL as above (WASTE) Bottom of Waste Elevation 459.055 feet MSL	
4	20	120/120	CLAY, silty, stiff, moist, dark greenish gray to dark grayish brown 5GY 4/1 to 10YR 4/2, trace SAND (ALLUVIUM) CLAY, as above, increasing SILT and SAND, changes to light brownish gray 10YR 6/2 in bottom 18 inches (ALLUVIUM)	
	25		LIMESTONE GRAVEL, broken rounded clasts, light gray 10YR 7/1 with white N 8/1 rock flour, dry (BEDROCK)	
5	30	60/60	LIMESTONE as above (BEDROCK)	
			Bottom of borehole 34 feet	



Client: RSI/Bridgeton Landfill, LLC
 Project Location: Bridgeton, MO
 Project Name: OU-1 Area 1 - Phase 1B
 Project Number: BT-026

Sampler: Matt Walton - Auxier & Associates
 Driller: Jeremy Leckrone - Frontz Drilling

Drilling Method: Sonic
 Sampling Method: Sonic

Easting: 516296
 Northing: 1069018

GS Elevation: 479.151 ft MSL
 Drill Date: 1/19/2014

Borehole ID: WL-119
 Sheet Number: 1 of 2

FEI Geologist: B. Abernathy
 Helper: Ben Williams, Henry Millard - Frontz Drilling
 Health Phys: Alex Luna - Auxier & Associates
 Data Logger:

Sample
Number

Depth
in
Feet

Recovery
in Inches

Soil/Rock Description






1	0	47/60	GRAVEL, loose, dry, with SAND and SILT, sub-angular (FILL)	
			GRAVEL and CLAY, dry, stiff, silty, brownish yellow 10YR 6/6 (FILL)	
2	5	24/24	GRAVEL and CLAY, dry, stiff, silty, brownish yellow grades to dark gray 10YR 4/1 (FILL)	
3	10	67/120	GRAVEL and CLAY, dry, stiff, silty, dark gray 10YR 4/1 (FILL)	
			Top of Waste Elevation 470.651 feet MSL	
4	15	57/120	LANDFILLED MATERIAL, plastic, paper, metal, wire (WASTE)	
5	20	38/120	LANDFILLED MATERIAL, plastic, paper, metal, wire (WASTE)	
6	25	61/120	LANDFILLED MATERIAL, plastic, paper, metal, wire (WASTE)	
	30			
	35			
	40			
	45			

Sub-Appendix C.2






Sonic Picture Logs

SAMPLE PHOTOS

406 East Walnut Street, Chatham, IL 62629
Phone (217) 483-3118 Fax (217) 483-2356




Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 1-2	2/1-2/2/14			Top  Bottom	
GS Elev	472.552				
Dpth Top of Waste Elev	6.0 466.552	1	42/60		0 - 5 feet
		2	28/36		5 - 8 feet
		3	27/120		8 - 18 feet
		4	60/60		18 - 23 feet

SAMPLE PHOTOS

Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 1-2	2/1-2/2/14			Top  Bottom	
(cont.)		4	60/60		18 - 23 feet
		5	19/60		23 - 28 feet
Dpth Bot of Waste	30.0				
Elev	442.552	6	76/120		28 - 38 feet





SAMPLE PHOTOS

406 East Walnut Street, Chatham, IL 62629
Phone (217) 483-3118 Fax (217) 483-2356




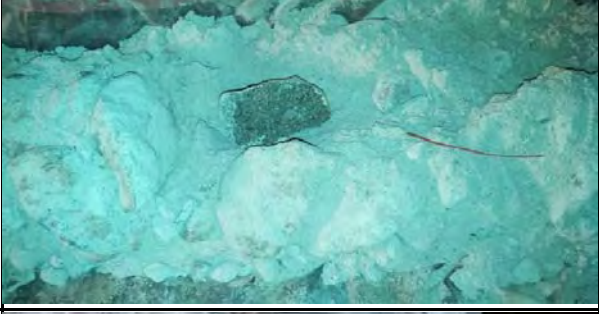

Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 1-2	2/1-2/2/14			Top → Bottom	
(cont.)		6	76/120		28 - 38 feet
		7	59/60	 	38 - 43 feet
					Bottom of borehole 43 feet

SAMPLE PHOTOS






406 East Walnut Street, Chatham, IL 62629
Phone (217) 483-3118 Fax (217) 483-2356

Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 1C-6	2/16/2014			Top  Bottom	
GS Elev	469.209				
Dpth Top of Waste Elev	7.5 461.709	1	45/60		0 - 5 feet
		2	30/48		5 - 9 feet
		3	71/120		9 - 19 feet

SAMPLE PHOTOS

Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 1C-6	2/16/2014			Top  Bottom	
(cont.)		4	28/60		19 - 24 feet
Dpth Bot of Waste Elev	26.0 443.209	5	60/60	 	24 - 29 feet
		6	52/120		29 - 39 feet

SAMPLE PHOTOS

Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 1C-6	2/16/2014			Top  Bottom	
(cont.)		6	52/120		29 - 39 feet
		7	109/120		39 - 49 feet
		8	112/120		49 - 59 feet
		9	108/120		59 - 69 feet





SAMPLE PHOTOS

406 East Walnut Street, Chatham, IL 62629
Phone (217) 483-3118 Fax (217) 483-2356





Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 1C-6	2/16/2014			Top  Bottom	
(cont.)		10	103/120		69 - 79 feet
		11	115/120		79 - 89 feet
		12	31/48		89 - 93 feet
					Bottom of borehole 93 feet

SAMPLE PHOTOS





406 East Walnut Street, Chatham, IL 62629
Phone (217) 483-3118 Fax (217) 483-2356

Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 2-2	1/31/2014			Top  Bottom	
GS Elev	475.160				
Dpth Top of Waste Elev	4.0 471.160	1	60/60		0 - 5 feet
		2	24/48		5 - 9 feet
		3	85/120		9 - 19 feet

SAMPLE PHOTOS





Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 2-2	1/31/2014			Top  Bottom	
(cont.)		3	85/120		9 - 19 feet
		4	49/120		19 - 29 feet
		5	26/60		29 - 34 feet

SAMPLE PHOTOS

Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation Top  Bottom	Drilled Depth (below ground surface)
Sonic 2-2	1/31/2014				
(cont.)		6	42/60		34 - 39 feet
		7	93/120		39 - 49 feet
Dpth Bot of Waste Elev	48.0 427.160				
		8	43/60		49 - 54 feet
				Bottom of borehole 54 feet	





SAMPLE PHOTOS

406 East Walnut Street, Chatham, IL 62629
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Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation		Drilled Depth (below ground surface)
Sonic 5-3	1/30/2014			Top	Bottom	
GS Elev	474.367					
Dpth Top of Waste Elev	5.5 468.867	1	26/60			0 - 5 feet
		2	23/36			5 - 8 feet
		3	6/120			8 - 18 feet
		4	23/60			18 - 23 feet

SAMPLE PHOTOS

406 East Walnut Street, Chatham, IL 62629
Phone (217) 483-3118 Fax (217) 483-2356






Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 5-3	1/30/2014			Top  Bottom	
(cont.)		5	52/60		23 - 28 feet
		6	60/60		28 - 33 feet
		7	43/60		33 - 38 feet

SAMPLE PHOTOS

Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation		Drilled Depth (below ground surface)
Sonic 5-3	1/30/2014			Top	Bottom	
(cont.)		8	98/120			38 - 48 feet
Dpth Bot of Waste Elev	48.0 426.367					
		9	48/60			48 - 53 feet
				Bottom of borehole 53 feet		




SAMPLE PHOTOS

406 East Walnut Street, Chatham, IL 62629
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Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 8-1	1/20/2014			Top  Bottom	
GS Elev	479.753				
Dpth Top of Waste Elev	9.0 470.753	1	30/60		0 - 5 feet
		2	18/36		5 - 8 feet
		3	41/60		8 - 13 feet
		4	39/60		13 - 18 feet

SAMPLE PHOTOS



406 East Walnut Street, Chatham, IL 62629
Phone (217) 483-3118 Fax (217) 483-2356

Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 8-1	1/20/2014			Top  Bottom	
(cont.)		5	5/60		18 - 23 feet
		6	4/60		23 - 28 feet
		7	3/60		28 - 33 feet
		8	0/60		33 - 38 feet
Dpth Bot of Waste Elev	43.0 436.753	9	103/120		38 - 48 feet








SAMPLE PHOTOS

406 East Walnut Street, Chatham, IL 62629
 Phone (217) 483-3118 Fax (217) 483-2356

Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 8-1	1/20/2014			Top  Bottom	
(cont.)		10	41/60		48 - 53 feet
				Bottom of borehole 53 feet	





SAMPLE PHOTOS

406 East Walnut Street, Chatham, IL 62629
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Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 12-5	1/15/2014			Top  Bottom	
GS Elev	478.857				
Dpth Top of Waste Elev	9.0 469.857	1	44/60		0 - 5 feet
		2	7/48		5 - 9 feet
		3	62/120		9 - 19 feet
		4	32/120		19 - 29 feet






SAMPLE PHOTOS

406 East Walnut Street, Chatham, IL 62629
Phone (217) 483-3118 Fax (217) 483-2356

Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 12-5	1/15/2014			Top  Bottom	
(cont.)		5	73/120		29 - 39 feet
Dpth Bot of Waste Elev	45.0 433.857	6	113/120	 	39 - 49 feet
				Bottom of borehole 49 feet	





SAMPLE PHOTOS

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Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 13-3	1/14/2014			Top  Bottom	
GS Elev	472.589				
Dpth Top of Waste Elev	9.0 463.589	1	31/60		0 - 5 feet
		2	12/48		5 - 9 feet
		3	61/120		9 - 19 feet
		4	52/120		19 - 29 feet





SAMPLE PHOTOS

406 East Walnut Street, Chatham, IL 62629
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Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 13-3	1/14/2014			Top  Bottom	
(cont.)		5	90/120		29 - 39 feet
Dpth Bot of Waste Elev	46.0 426.589	6	104/120		39 - 49 feet
		7	53/60		49 - 54 feet
				Bottom of borehole 54 feet	

SAMPLE PHOTOS




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Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation		Drilled Depth (below ground surface)
Sonic 13-6	2/17/2014			Top	Bottom	
GS Elev	475.877					
Dpth Top of Waste Elev	19.0 456.877	1	50/60			0 - 5 feet
		2	48/48			5 - 9 feet
		3	32/120			9 - 19 feet
		4	65/120			19 - 29 feet

SAMPLE PHOTOS

Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 13-6	2/17/2014			Top  Bottom	
(cont.)		4	65/120		19 - 29 feet
		5	47/120		29 - 39 feet
		6	96/120		39 - 49 feet


SAMPLE PHOTOS

Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation		Drilled Depth (below ground surface)
Sonic 13-6	2/17/2014			Top	Bottom	
(cont.)		7	71/120			49 - 59 feet
		8	43/120			59 - 69 feet
		9	52/120			69 - 79 feet








SAMPLE PHOTOS

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Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation		Drilled Depth (below ground surface)
Sonic 13-6	2/17/2014			Top	Bottom	
(cont.)		10	108/120			79 - 89 feet
Dpth Bot of Waste Elev	86.1 389.777					
				Bottom of borehole 89 feet		






SAMPLE PHOTOS

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Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 14-2	1/15/2014			Top  Bottom	
GS Elev	474.586				
Dpth Top of Waste Elev	8.0 466.586	1	38/60		0 - 5 feet
		2	12/36		5 - 8 feet
		3	38/120		8 - 18 feet
		4	36/120		18 - 28 feet

SAMPLE PHOTOS



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Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 14-2	1/15/2014			Top  Bottom	
(cont.)		5	75/120		28 - 38 feet
		6	48/120		38 - 48 feet
Dpth Bot of Waste	50.0				
Elev	424.586	7	95/120		48 - 58 feet






SAMPLE PHOTOS

406 East Walnut Street, Chatham, IL 62629
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Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 14-2	1/15/2014			Top  Bottom	
(cont.)		7	95/120		48 - 58 feet
				Bottom of borehole 58 feet	



SAMPLE PHOTOS

Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation		Drilled Depth (below ground surface)
Sonic 14-4	1/19/2014			Top	Bottom	
GS Elev 474.433						
Dpth Top of Waste Elev	8.5 465.933	1	15/60			0 - 5 feet
		2	14/36			5 - 8 feet
		3	7/120			8 - 18 feet
		4	13/120			18 - 28 feet
	Dpth Bot of Waste Elev	38.0 436.433	5	28/120		







SAMPLE PHOTOS

406 East Walnut Street, Chatham, IL 62629
 Phone (217) 483-3118 Fax (217) 483-2356

Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 14-4	1/19/2014			Top  Bottom	
(cont.)		6	111/120		38 - 48 feet
				Bottom of borehole 48 feet	



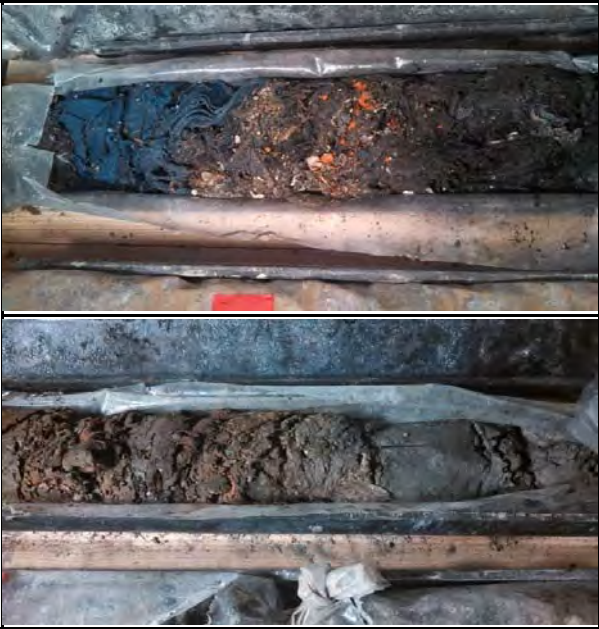

SAMPLE PHOTOS

406 East Walnut Street, Chatham, IL 62629
Phone (217) 483-3118 Fax (217) 483-2356

Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation		Drilled Depth (below ground surface)
Sonic 14-5	2/25/2014			Top	Bottom	
GS Elev	472.916					
Dpth Top of Waste Elev	19.0 453.916	1	33/60			0 - 5 feet
		2	48/48			5 - 9 feet
		3	46/120			9 - 19 feet
		4	66/120			19 - 29 feet


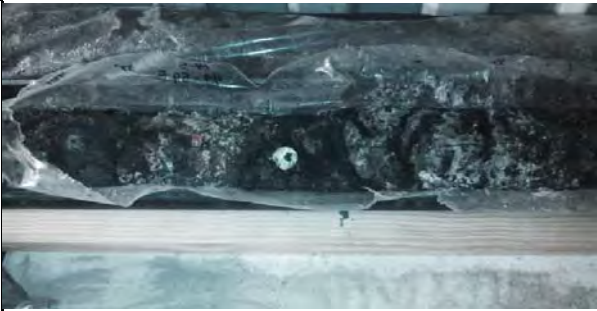

SAMPLE PHOTOS

406 East Walnut Street, Chatham, IL 62629
Phone (217) 483-3118 Fax (217) 483-2356


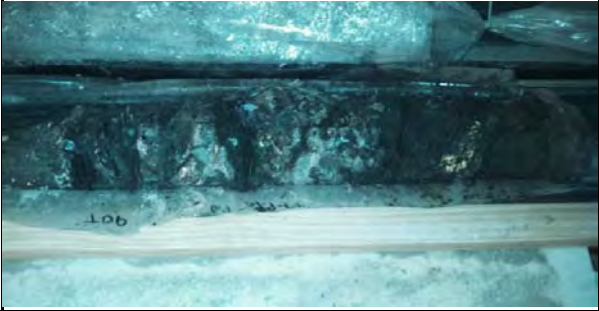



Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 14-5	2/25/2014			Top  Bottom	
(cont.)		4	66/120		19 - 29 feet
		5	63/120		29 - 39 feet
		6	49/120		39 - 49 feet

SAMPLE PHOTOS

406 East Walnut Street, Chatham, IL 62629
Phone (217) 483-3118 Fax (217) 483-2356




Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 14-5	2/25/2014			Top  Bottom	
(cont.)		7	37/120		49 - 59 feet
		8	81/120		59 - 69 feet

SAMPLE PHOTOS





Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation Top  Bottom	Drilled Depth (below ground surface)
Sonic 14-5	2/25/2014				
(cont.)		9	31/120		69 - 79 feet
Dpth Bot of Waste Elev	86.0 386.916	10	70/120	  	79 - 89 feet
				Bottom of borehole 89 feet	

SAMPLE PHOTOS





406 East Walnut Street, Chatham, IL 62629
Phone (217) 483-3118 Fax (217) 483-2356

Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation		Drilled Depth (below ground surface)
Sonic 14-7	1/16/2014			Top	Bottom	
GS Elev 473.293						
		1	45/60			0 - 5 feet
		2	33/48			5 - 9 feet
		3	100/120			9 - 19 feet
Dpth Top of Waste Elev	12.5 460.793					

SAMPLE PHOTOS


Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation		Drilled Depth (below ground surface)
Sonic 14-7	1/16/2014			Top	Bottom	
(cont.)		4	46/120			19 - 29 feet
		5	67/120			29 - 39 feet
		6	49/120			39 - 49 feet
		7	65/120			49 - 59 feet

SAMPLE PHOTOS

Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation		Drilled Depth (below ground surface)
Sonic 14-7	1/16/2014			Top	Bottom	
(cont.)		8	56/120			59 - 69 feet
		9	63/120			69 - 79 feet
		10	120/120			79 - 89 feet
		11	112/120			89 - 99 feet
Dpth Bot of Waste Elev	98.0 375.293					





SAMPLE PHOTOS

406 East Walnut Street, Chatham, IL 62629
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Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation		Drilled Depth (below ground surface)
Sonic 14-7	1/16/2014			Top	Bottom	
		12	110/120			99 - 109 feet
				Bottom of borehole 109 feet		






SAMPLE PHOTOS

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Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 15-2	1/17/2014			Top  Bottom	
GS Elev	476.482				
		1	33/60		0 - 5 feet
		2	30/48		5 - 9 feet
		3	69/120		9 - 19 feet




SAMPLE PHOTOS

406 East Walnut Street, Chatham, IL 62629
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Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 15-2	1/17/2014			Top  Bottom	
(cont.)					
		4	100/120		19 - 29 feet
Dpth Top of Waste	25.5				
Elev	450.982				
Dpth Bot of Waste	28.0				
Elev	448.482				
					
		5	101/120		29 - 39 feet






SAMPLE PHOTOS

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Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 15-2	1/17/2014			Top  Bottom	
(cont.)		6	98/120		39 - 49 feet
		7	24/24		49 - 51 feet
					Bottom of borehole 51 feet




SAMPLE PHOTOS

406 East Walnut Street, Chatham, IL 62629
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Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 16-3	1/18/2014			Top  Bottom	
GS Elev	470.739				
		1	6/60		0 - 5 feet
		2	31/36		5 - 8 feet
		3	74/120		8 - 18 feet
					
Dpth Top of Waste	13.0				
Elev	457.739				

SAMPLE PHOTOS

406 East Walnut Street, Chatham, IL 62629
Phone (217) 483-3118 Fax (217) 483-2356





Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 16-3	1/18/2014			Top  Bottom	
(cont.)					
Dpth Bot of Waste Elev	28.0 442.739	4	19/120		18 - 28 feet
		5	83/120		28 - 38 feet
				Bottom of borehole 38 feet	

SAMPLE PHOTOS

Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 16-6	1/18/2014			Top  Bottom	
GS Elev	477.055				
		1	14/60		0 - 5 feet
Dpth Top of Waste Elev	7.0 470.055	2	38/48		5 - 9 feet
Dpth Bot of Waste Elev	18.0 459.055	3	68/120		9 - 19 feet






SAMPLE PHOTOS

406 East Walnut Street, Chatham, IL 62629
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Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic 16-6	1/18/2014			Top  Bottom	
(cont.)		4	120/120		19 - 29 feet
		4	120/120		19 - 29 feet
		5	60/60		29 - 34 feet
					Bottom of borehole 34 feet





SAMPLE PHOTOS

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Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic WL119	1/20/2014			Top  Bottom	
GS Elev	479.151				
Dpth Top of Waste Elev	8.5 470.651	1	47/60		0 - 5 feet
		2	24/24		5 - 7 feet
		3	67/120		7 - 17 feet
		4	57/120		17 - 27 feet

SAMPLE PHOTOS

406 East Walnut Street, Chatham, IL 62629
Phone (217) 483-3118 Fax (217) 483-2356

Hole ID	Drill Date	Sample Run	Recovery (inches)	Photo Orientation	Drilled Depth (below ground surface)
Sonic WL119	1/20/2014			Top  Bottom	
(cont.)		5	38/120		27 - 37 feet
		6	61/120		37 - 47 feet
		7	87/120		47 - 57 feet
Dpth Bot of Waste Elev	49.0 430.151			Bottom of borehole 57 feet	

Sub-Appendix C.3

Sonic Downhole Borehole Log and Core Scan

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: 1-2
Date Collected: 2/3/2014
GPS Location 1: 4294232.52
GPS Location 2: 722023.44

Area Bkg for Core Scan (2221/44-20):
 10296 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) 5 µR/h

NOTES:

Borehole Log		Downhole Radiological Profile				Core Scan	Sample	
1"NaI (44-2)	Response	Depth					Collected	Shipped
	(cpm)	(feet)						
826		0						
1110						11034	X	
1425		-1						
1437						11311	X	
1591		-2						
1553						11838	X	
1458		-3						
1231						11214	X	
1272		-4						
1563								
2218		-5						
2504						10674	X	
2828		-6						
3295						11333	X	
3481		-7						
3036								
2883		-8						
2217						11470	X	
1833		-9						
1840						11067	X	
2543		-10						
3077								
2950		-11						
2065								
1264		-12						
1065								
938		-13						
1355								
1918		-14						
2716								
2571		-15						
1798								
1822		-16						
2384								
3025		-17						
2956								
2738		-18						
2532						11359	X	
3016		-19						
3685						10946	X	
3930		-20						
3993						11248	X	
3476		-21						
3993						10644	X	
2042		-22						
1787						10817	X	
2044		-23						
3073						11298	X	
4076		-24						
4088						10864	X	X

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: 1-2
Date Collected: 2/3/2014
GPS Location 1: 4294232.52
GPS Location 2: 722023.44

Background Reading using 44-20:
10296 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) 5 µR/h

NOTES:

Borehole Log			Downhole Radiological Profile				Core Scan	Sample	
1" NaI (44-2)	Response	Depth					1" NaI (44-2)	Collected	Shipped
	(cpm)	(feet)					(cpm)		
3842		-25	000	000	000	0000			
3767									
3386		-26							
2780									
2254		-27							
1978									
1799		-28							
1879							10286	X	X
1835		-29							
1769							10441	X	
1609		-30							
1665							11187	X	
1844		-31							
1987							10982	X	
2326		-32							
3650							10722	X	
4271		-33							
							11160	X	
		-34							
		-35							
		-36							
		-37							
		-38							
		-39					11159	X	
							10714	X	X
		-40							
		-41					10353	X	
		-42					10562	X	
		-43					10663	X	
		-44							
		-45							
		-46							
		-47							
		-48							
		-49							

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: 2-2
Date Collected: 2/1/2014
GPS Location 1: 4294262.47
GPS Location 2: 722040.22

Area Bkg for Core Scan (2221/44-20):
11809 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) 1 µR/h

NOTES:

Borehole Log		Downhole Radiological Profile				Core Scan	Sample	
1" NaI (44-2)		Response	Depth				Collected	Shipped
		(cpm)	(feet)					
904	0							
1020						12949	X	
1376	-1							
2753						13815	X	
3541	-2							
3669						13759	X	
3276	-3							
2609						13473	X	
2604	-4							
2427						13084	X	
2237	-5							
1615						13780	X	X
1199	-6							
1113						13328	X	
1091	-7							
1570								
2195	-8							
1922								
2059	-9							
2672						13234	X	
2887	-10							
1949						14143	X	
1247	-11							
1005						12515	X	
889	-12							
1062						12791	X	
1586	-13							
2158						12735	X	
2963	-14							
3278						12457	X	
2434	-15							
1271						12936	X	
823	-16							
756						11724	X	
1016	-17							
1892								
2319	-18							
1963								
1466	-19							
1174						12737	X	
1156	-20							
1232						12895	X	
1890	-21							
2568						14052	X	X
2488	-22							
1736						14862	X	
1927	-23							
3016								
3866	-24							
3453								

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: 2-2
Date Collected: 2/1/2014
GPS Location 1: 4294262.47
GPS Location 2: 722040.22

Background Reading using 44-20:
11809 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) 1 µR/h

NOTES:

Borehole Log		Downhole Radiological Profile				Core Scan	Sample	
1" NaI (44-2)		Response	Depth					
		(cpm)	(feet)				Collected	Shipped
2256	-25							
1529								
1393	-26							
1124								
961	-27							
984								
1633	-28							
2298								
2236	-29							
1643						13468	X	
1454	-30							
2099						14351	X	
4080	-31							
3912								
4354	-32							
3721								
4348	-33							
2608								
1681	-34							
1631						13392	X	
1434	-35							
1432						13330	X	
1237	-36							
997						13124	X	
1167	-37							
1447						12496	X	
1475	-38							
1137								
983	-39							
1143						12287	X	
1564	-40							
1916						12763	X	
2045	-41							
1479						12719	X	
1018	-42							
925						12685	X	
1006	-43							
1104						12703	X	
972	-44							
847						12910	X	
742	-45							
842						13477	X	
1430	-46							
1829						13542	X	
2301	-47							
2414								
2503	-48							
2502								
2419	-49							
2984						13730	X	

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID:	2-2
Date Collected:	2/1/2014
GPS Location 1:	4294262.47
GPS Location 2:	722040.22

Background Reading using 44-20:

11809 cpm

Dose Reading 1 m above Surface (M19):

(@ BH location)	1	μR/h
-----------------	---	------

NOTES:

[illegible]

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: 5-3
Date Collected: 1/31/2014
GPS Location 1: 4294297.70
GPS Location 2: 722089.60

Area Bkg for Core Scan (2221/44-20):
 10496 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) 4 µR/h

NOTES:

Borehole Log		Downhole Radiological Profile		Core Scan	Sample	
1" NaI (44-2)				1" NaI (44-2)	Collected	Shipped
Response	Depth			Response		
(cpm)	(feet)			(cpm)		
493	0					
575				10917	X	
868	-1					
1419				11658	X	
2760	-2					
3223						
3672	-3					
3918						
3612	-4					
3332						
2981	-5					
2596				11277	X	
1710	-6					
1177				10133	X	
901	-7					
946						
1149	-8					
1374				10429	X	
1566	-9					
1386						
1110	-10					
1363						
2252	-11					
3345						
3745	-12					
3453						
3001	-13					
2412						
1935	-14					
1665						
1460	-15					
1320						
1268	-16					
1246						
1193	-17					
1564						
2409	-18					
3417				10692	X	
3957	-19					
4047				10348	X	
3679	-20					
3189						
2639	-21					
3189						
2252	-22					
1666						
1307	-23					
1252				11874	X	
1655	-24					
2433				11072	X	

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: 5-3
Date Collected: 1/31/2014
GPS Location 1: 4294297.70
GPS Location 2: 722089.60

Background Reading using 44-20:
10496 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) 4 μ R/h

NOTES:

Borehole Log				Core Scan				Sample			
1"NaI (44-2)				Downhole Radiological Profile				1"NaI (44-2)		Collected	Shipped
Response	Depth					Response					
(cpm)	(feet)					(cpm)					
3095	-25	000	000	000	000	0000	2000	4000	6000		
3695											
5231	-26									12827	X
7405											
8518	-27									11137	X
18393											
42556	-28										
115476										368717	X X
211706	-29										
336937										32787	X X
326205	-30										
200985										19595	X
68940	-31										
29699										13660	X
13799	-32										
8628										14535	X
5240	-33										
5003										28458	X X
5586	-34										
4578										16664	X
4285	-35										
5068										11433	X
3226	-36										
2819										11215	X
4148	-37										
3026											
2996	-38										
4097										11268	X
3844	-39										
6097										10264	X
3361	-40										
3473										11499	X
4190	-41										
2937										10801	X
3555	-42										
4162										10640	X
4483	-43										
6290										11867	X
5173	-44										
3722										12754	X
3434	-45										
4370										12754	X
5070	-46										
5872										11064	X
4382	-47										
4980											
5198	-48										
4086										13680	X
5571	-49										
10625										12338	X

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID:	5-3
Date Collected:	1/31/2014
GPS Location 1:	4294297.70
GPS Location 2:	722089.60

Background Reading using 44-20: 10496 cpm

Dose Reading 1 m above Surface (M19): (@ BH location)	4	μR/h
--	---	------

NOTES:

[illegible]

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: 8-1		Borehole Log				Core Scan		Sample		
Date Collected: 1/22/2014		1" NaI (44-2)		Downhole Radiological Profile				NaI (44-2)		
GPS Location 1: 4294316.36		Response	Depth					Response	Collected	
GPS Location 2: 722172.40		(cpm)	(feet)					(cpm)	Shipped	
Area Bkg for Core Scan (2221/44-20):										
10781 cpm										
Dose Reading 1 m above Surface (M19):										
(@ BH location) 5 µR/h										

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: 8-1
Date Collected: 1/22/2014
GPS Location 1: 4294316.36
GPS Location 2: 722172.40

Area Bkg for Core Scan (2221/44-20):
10781 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) 5 µR/h

NOTES:

Borehole Log		Downhole Radiological Profile					Core Scan	Sample	
1" NaI (44-2)							NaI (44-2)		
Response	Depth						Response	Collected	Shipped
(cpm)	(feet)						(cpm)		
1104	-25								
1423									
1685	-26								
2292									
3618	-27								
4816									
4821	-28								
2222							12001	X	X
1576	-29								
1374									
1666	-30								
2154									
2315	-31								
2058									
1643	-32								
1688									
1985	-33								
1885									
1582	-34								
2165									
2741	-35								
3001									
2836	-36								
2319									
2499	-37								
2957									
2994	-38								
2594							10755	X	
2595	-39								
2990							10814	X	
2382	-40						12585	X	X
	-41						11785	X	
	-42						11208	X	
	-43						12761	X	
	-44						15541	X	
	-45						12887	X	
	-46								
	-47								
	-48						11848	X	
	-49						11961	X	

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: 8-1
Date Collected: 1/22/2014
GPS Location 1: 4294316.36
GPS Location 2: 722172.40

Area Bkg for Core Scan (2221/44-20):
10781 cpm
Dose Reading 1 m above Surface (M19):
 (@ BH location) 5 µR/h

NOTES:

Borehole Log		Downhole Radiological Profile				Core Scan	Sample	
1" NaI (44-2)	Response	Depth					NaI (44-2)	Sample
	(cpm)	(feet)					Response	Collected
			000	000	000	000	000	Shipped
		-50					12678	X
		-51					12672	X
		-52						
		-53						
		-54						
		-55						
		-56						
		-57						
		-58						
		-59						
		-60						
		-61						
		-62						
		-63						
		-64						
		-65						
		-66						
		-67						
		-68						
		-69						
		-70						
		-71						
		-72						
		-73						
		-74						

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: 12-5
Date Collected: 1/15/2014
GPS Location 1: 4294334.44
GPS Location 2: 722254.93

Area Bkg for Core Scan (2221/44-20):
 11021 cpm
Dose Reading 1 m above Surface (M19):
 (@ BH location) 12 µR/h

NOTES:

Borehole Log
1"NaI (44-2)

Response
 (cpm)

Depth
 (feet)

Downhole
Radiological Profile

Core Scan
1"NaI (44-2)
Response
 (cpm)

Sample
Collected
Shipped

Response (cpm)	Depth (feet)	Downhole Radiological Profile	Core Scan 1"NaI (44-2) Response (cpm)	Sample Collected	Sample Shipped
1358	0				
3389			11526	X	
3487	-1				
3434			11563	X	
3348	-2				
3243			11470	X	X
2909	-3				
2941			10969	X	
2761	-4				
2489			11023	X	
2391	-5				
2639					
2986	-6				
3230					
2765	-7				
2588					
2817	-8				
2808					
2904	-9				
2628			12123	X	
2965	-10				
3123			12718	X	
3254	-11				
3697			12882	X	
3558	-12				
3660			13051	X	X
3522	-13				
3632			12537	X	
3864	-14				
3397					
2679	-15				
2283					
1868	-16				
1415					
1149	-17				
1138					
1395	-18				
1995					
2388	-19				
2360			11610	X	
2349	-20				
1838			11646	X	
1550	-21				
1731			10627	X	
2139	-22				
2007					
2318	-23				
1958					
1572	-24				
1839					
1973	-25				
1980					
2271	-26				

Area Bkg for Core Scan (2221/44-20):
 11021 cpm

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: **12-5**
 Date Collected: **1/15/2014**
 GPS Location 1: **4294334.44**
 GPS Location 2: **722254.93**

11021 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) **12** µR/h

NOTES:

Borehole Log

1"NaI (44-2)

Response

(cpm)

Depth

(feet)

Downhole
Radiological Profile

Core Scan

1"NaI (44-2)

Response

(cpm)

Sample

Collected

Shipped

Response (cpm)	Depth (feet)	Downhole Radiological Profile	Core Scan Response (cpm)	Sample Collected	Sample Shipped
2562					
1902	-27				
1430					
1109	-28				
1143					
1164	-29				
2072			10184	X	
2712	-30				
2953			10338	X	
3036	-31				
2140			10645	X	
1402	-32				
1245			10468	X	
1320	-33				
1329			11887	X	
1155	-34				
1241			10282	X	
1615	-35				
1596					
1343	-36				
1009					
1607	-37				
2790					
3048	-38				
1835					
1095	-39				
689			9770	X	
578	-40				
557			11479	X	
606	-41				
576			11366	X	
862	-42				
973			11741	X	
1563	-43				
1979			11319	X	
2169	-44				
2593			11369	X	
3219	-45				
3285			10178	X	
	-46				
			9796	X	
	-47				
			9484	X	
	-48				
			10961	X	
	-49				
			13053	X	
	-50				

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: 13-3
Date Collected: 1/14/2014
GPS Location 1: 4294377.58
GPS Location 2: 722260.93

Area Bkg for Core Scan (2221/44-20):
 10841 cpm
Dose Reading 1 m above Surface (M19):
 (@ BH location) 5 µR/h

NOTES:

Borehole Log		Downhole Radiological Profile					Core Scan	Sample	
1" NaI (44-2)	Response	Depth						Collected	Shipped
	(cpm)	(feet)							
1258		0							
1341							13652	X	
1583		-1							
1858							13128	X	
1954		-2							
1986							12775	X	
1865		-3							
1891									
1810		-4							
1963									
1846		-5							
1846							13154	X	
2200		-6							
2668									
3215		-7							
3245									
2523		-8							
1737									
1243		-9							
1255							11639	X	
1707		-10							
2641							12574	X	
3270		-11							
2408							12956	X	
2048		-12							
2009							13863	X	
2721		-13							
2977							11504	X	
2567		-14							
2547									
2820		-15							
2973									
3537		-16							
3607									
3584		-17							
3026									
2037		-18							
1266									
1076		-19							
1188							11930	X	X
1453		-20							
2790							13148	X	
1300		-21							
1749							12365	X	
2182		-22							
2859							12162	X	
1280		-23							
1006							12036	X	
964		-24							
797									

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: **13-3**
 Date Collected: **1/14/2014**
 GPS Location 1: **4294377.58**
 GPS Location 2: **722260.93**

Background Reading using 44-20:
10841 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) **5** µR/h

NOTES:

Borehole Log		Downhole Radiological Profile				Core Scan	Sample	
1" NaI (44-2)		Response	Depth					
		(cpm)	(feet)				Collected	Shipped
792	-25							
963								
1342	-26							
1882								
1792	-27							
1534								
1316	-28							
662								
830	-29							
1034						12433	X	X
1180	-30							
1143						11736	X	
920	-31							
776						13057	X	
960	-32							
1253						12046	X	
1661	-33							
2095						11760	X	
1648	-34							
1107						11875	X	
760	-35							
783						12271	X	
856	-36							
1290								
1826	-37							
2115								
1810	-38							
1256								
1053	-39							
1347						12965	X	
1989	-40							
2468						12247	X	
2140	-41							
1770						12954	X	
1369	-42							
1258						13814	X	
1664	-43							
2364						13869	X	
2780	-44							
3172						12190	X	
3204	-45							
3062						13802	X	
2956	-46							
2013						12621	X	
	-47							
						12240	X	
	-48							
	-49							
						12686	X	

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: 13-3
Date Collected: 1/14/2014
GPS Location 1: 4294377.58
GPS Location 2: 722260.93

Background Reading using 44-20:
 10841 cpm
Dose Reading 1 m above Surface (M19):
 (@ BH location) 5 µR/h

NOTES:

Borehole Log		Downhole Radiological Profile				Core Scan	Sample	
1"NaI (44-2)	Depth					1"NaI (44-2)	Collected	Shipped
Response	(feet)					Response		
(cpm)	(feet)					(cpm)		
	-50	000	000	000	000	12941	X	
	-51					13027	X	
	-52					12272	X	
	-53					12593	X	
	-54							
	-55							
	-56							
	-57							
	-58							
	-59							
	-60							
	-61							
	-62							
	-63							
	-64							
	-65							
	-66							
	-67							
	-68							
	-69							
	-70							
	-71							
	-72							
	-73							
	-74							

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: **BH13-6**
Date Collected: **2/17/2014**
GPS Location 1: **4294336.09**
GPS Location 2: **722280.29**

Area Bkg for Core Scan (2221/44-20):

9071

 cpm
Dose Reading 1 m above Surface (M19):
 (@ BH location)

5

 µR/h

NOTES:

Borehole Log		Downhole Radiological Profile		Core Scan	Sample	
1" NaI (44-2)	Depth			1" NaI (44-2)	Collected	Shipped
Response	(feet)			Response		
(cpm)	(feet)			(cpm)		
790	0					
1114				10402	X	
1672	-1					
1819				10956	X	
2676	-2					
3288				10772	X	
3458	-3					
3392				11109	X	
3612	-4					
3555						
3345	-5					
3266				11245	X	
3515	-6					
3499				11626	X	
3109	-7					
2762				11400	X	
2635	-8					
2473				11576	X	
2207	-9					
2001				11302	X	
1969	-10					
1894				11110	X	
2035	-11					
1902				10924	X	
1905	-12					
2010				11277	X	
1998	-13					
2143				10814	X	
2378	-14					
2621						
2850	-15					
3037						
3392	-16					
2827						
2304	-17					
1676						
1613	-18					
2086						
2713	-19					
3055				12250	X	
3557	-20					
3660				11866	X	
3291	-21					
2451				12293	X	
1718	-22					
1524				11916	X	
1836	-23					
2903						
3255	-24					
3902						

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: BH13-6
Date Collected: 2/17/2014
GPS Location 1: 4294336.09
GPS Location 2: 722280.29

Background Reading using 44-20:
9071 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) 5 μ R/h

NOTES:

Borehole Log		Downhole Radiological Profile		Core Scan	Sample	
1" NaI (44-2)				1" NaI (44-2)	Collected	Shipped
Response	Depth			Response		
(cpm)	(feet)			(cpm)		
2401	-25	000	000			
1534						
1960	-26					
2063						
1751	-27					
1939						
2601	-28					
3270						
3271	-29					
2436				11320	X	
1718	-30					
1090				11541	X	
1473	-31					
1978				11074	X	
1932	-32					
1681				10619	X	
2241	-33					
2794						
2217	-34					
1341						
1049	-35					
1359						
2023	-36					
3110						
3551	-37					
3727						
3796	-38					
3608						
3270	-39					
2894				11867	X	
2550	-40					
2867				11591	X	
3159	-41					
2992				11266	X	
2196	-42					
1222				11492	X	
823	-43					
783				10891	X	
977	-44					
1120				11166	X	
1166	-45					
1024				10743	X	
916	-46					
1063						
1102	-47					
1308						
1677	-48					
2170						
2352	-49					
2261				10646	X	

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: **BH13-6**
Date Collected: **2/17/2014**
GPS Location 1: **4294336.09**
GPS Location 2: **722280.29**

Background Reading using 44-20:
9071 cpm

Dose Reading 1 m above Surface (M19):
5 μ R/h

NOTES:

Borehole Log		Downhole Radiological Profile				Core Scan	Sample	
1" NaI (44-2)		Response	Depth					
		(cpm)	(feet)					
2303	-50			000	000	000	000	
2266								
1766	-51							
1204								
1268	-52							
1801								
2432	-53							
3036								
2550	-54							
1694								
1017	-55							
713								
838	-56							
1410								
2412	-57							
2486								
1403	-58							
869								
586	-59							
490								
583	-60							
782								
1380	-61							
2146								
2439	-62							
2424								
3177	-63							
3224								
2552	-64							
1571								
1010	-65							
921								
939	-66							
1251								
1566	-67							
1487								
1095	-68							
862								
1024	-69							
1303								
1738	-70							
2261								
2046	-71							
1250								
911	-72							
754								
784	-73							
1320								
1714	-74							
1356								

11284 X

9819 X

10497 X

10611 X

11026 X

11221 X

10745 X

10602 X

11141 X

10842 X

10710 X

9168 X

10021 X

10762 X

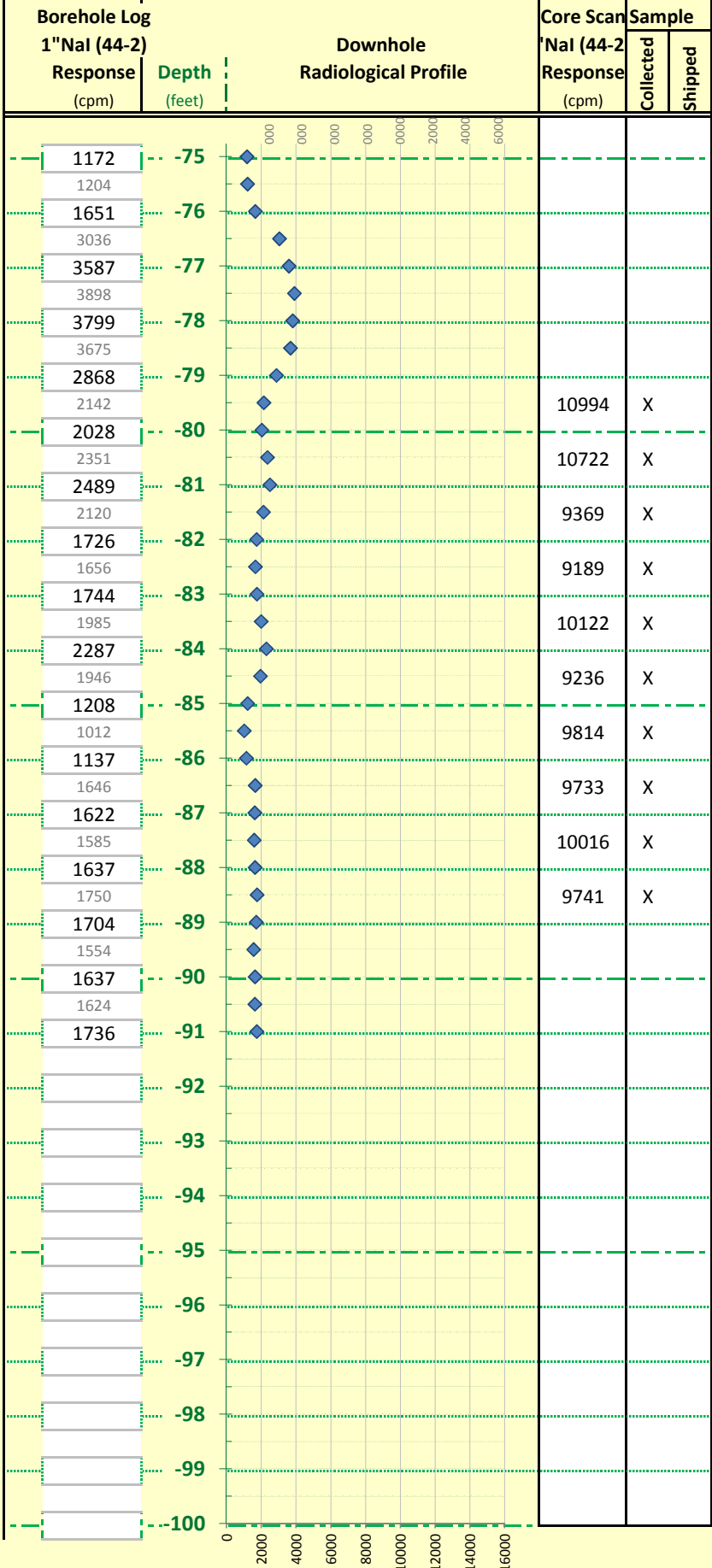
A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: BH13-6
Date Collected: 2/17/2014
GPS Location 1: 4294336.09
GPS Location 2: 722280.29

Background Reading using 44-20:
9071 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) 5 µR/h

NOTES:



A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: 14-2
Date Collected: 1/15/2014
GPS Location 1: 4294383.01
GPS Location 2: 722273.20

Area Bkg for Core Scan (2221/44-20):
 11007 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) 5 µR/h

NOTES:

Borehole Log		Downhole Radiological Profile				Core Scan	Sample	
1"NaI (44-2)	Response	Depth					Collected	Shipped
	(cpm)	(feet)						
1311		0						
1556						14535	X	
1897		-1						
2135						13766	X	
2163		-2						
1960						12918	X	
1835		-3						
1774						13635	X	
1747		-4						
1748								
1897		-5						
2074						12987	X	
2551		-6						
2827								
3423		-7						
3513						12011	X	
3521		-8						
3790						13451	X	
3457		-9						
3144						13124	X	
2851		-10						
3123						10979	X	
3798		-11						
3431								
2350		-12						
1577								
1217		-13						
1059								
1022		-14						
1466								
2121		-15						
3032								
3362		-16						
3404								
2962		-17						
2114						12509	X	
1577		-18						
1261						11275	X	
1377		-19						
1289						14877	X	X
1181		-20						
1233								
1423		-21						
1917								
2134		-22						
1802								
1286		-23						
844								
535		-24						
563								

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID:	14-2
Date Collected:	1/15/2014
GPS Location 1:	4294383.01
GPS Location 2:	722273.20

Background Reading using 44-20:

11007	cpm
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Dose Reading 1 m above Surface (M19):

(@ BH location)	5	$\mu\text{R/h}$
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NOTES:

Borehole Log		Downhole Radiological Profile				Core Scan	Sample	
1"NaI (44-2) Response (cpm)	Depth (feet)					1"NaI (44-2) Response (cpm)	Collected	Shipped
731	-25							
898								
1421	-26							
2282								
3381	-27							
4008						12647	X	
3589	-28							
3689						12721	X	
3309	-29							
3336						16548	X	X
3710	-30							
3699						15384	X	X
3699	-31							
3659						13970	X	
3743	-32							
3612						11827	X	
3743	-33							
3518						12628	X	
3206	-34							
3057								
3183	-35							
2896								
2295	-36							
1300								
799	-37							
650						13923	X	
590	-38							
656						12437	X	
726	-39							
1121						13343	X	
1667	-40							
1615						12838	X	
1873	-41							
1769								
1215	-42							
779								
706	-43							
693								
746	-44							
848								
1069	-45							
1793								
2868	-46							
3211								
2912	-47							
2343						13069	X	
2396	-48							
						11588	X	
	-49							
						11902	X	

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: 14-2
Date Collected: 1/15/2014
GPS Location 1: 4294383.01
GPS Location 2: 722273.20

Background Reading using 44-20:
 11007 cpm
Dose Reading 1 m above Surface (M19):
 (@ BH location) 5 µR/h

NOTES:

Borehole Log		Downhole Radiological Profile				Core Scan	Sample	
1" NaI (44-2)	Depth					NaI (44-2) Response	Collected	Shipped
Response (cpm)	(feet)					(cpm)		
	-50	000	000	000	000	0000	2000	4000
	-51							
	-52							
	-53							
	-54							
	-55							
	-56							
	-57							
	-58							
	-59							
	-60							
	-61							
	-62							
	-63							
	-64							
	-65							
	-66							
	-67							
	-68							
	-69							
	-70							
	-71							
	-72							
	-73							
	-74							

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: 14-4
Date Collected: 1/20/2014
GPS Location 1: 4294361.50
GPS Location 2: 722286.61

Area Bkg for Core Scan (2221/44-20):
 10627 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) 5 µR/h

NOTES:

Borehole Log
1" NaI (44-2)

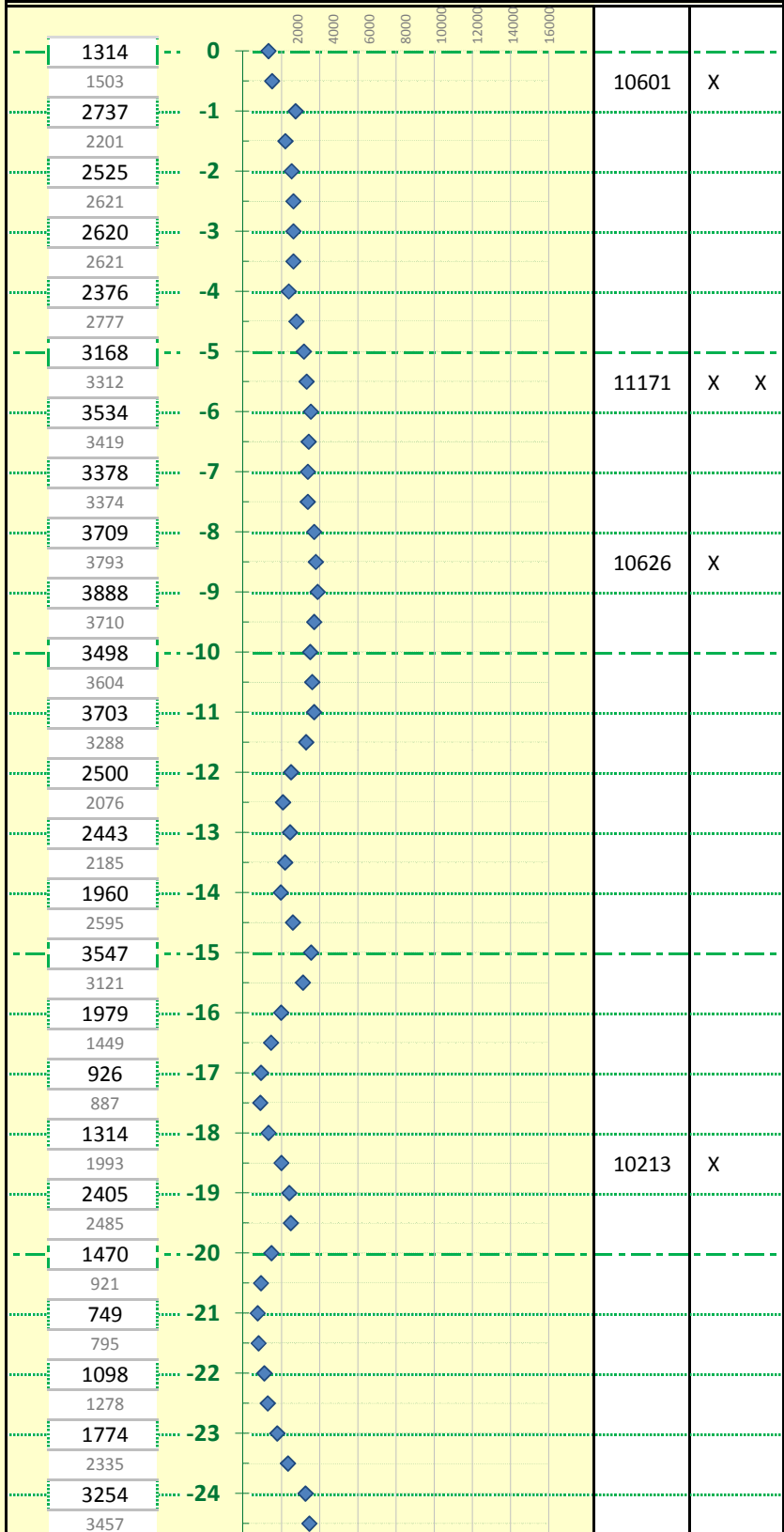
Response
 (cpm)

Depth
 (feet)

Downhole
Radiological Profile

Core Scan
1" NaI (44-2)
Response
 (cpm)

Sample
Collected
Shipped



A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID:	14-4
Date Collected:	1/20/2014
GPS Location 1:	4294361.50
GPS Location 2:	722286.61

Background Reading using 44-20:

10627 cpm

Dose Reading 1 m above Surface (M19):

(@ BH location)	5	$\mu\text{R/h}$
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NOTES:

Borehole Log 1"NaI (44-2)			Downhole Radiological Profile				Core Scan 1"NaI (44-2) Response (cpm)	Sample	
Response (cpm)	Depth (feet)							Collected	Shipped
3124	-25								
2689									
1625	-26								
1156									
1013	-27								
1056									
1143	-28								
1126							10727	X	X
1243	-29								
1353							10438	X	
1305	-30								
1223									
1061	-31								
949									
1023	-32								
1009									
1041	-33								
1188									
1611	-34								
1708									
1129	-35								
835									
	-36								
	-37								
	-38								
	-39						10762	X	
	-40						11041	X	
	-41						11662	X	
	-42						10791	X	
	-43						11414	X	
	-44						11201	X	
	-45						10204	X	
	-46						9883	X	
	-47						10433	X	
	-48								
	-49								

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: BH14-5
Date Collected: 2/25/2014
GPS Location 1: 4294346.20
GPS Location 2: 722297.06

Area Bkg for Core Scan (2221/44-20):
 9152 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) 5 µR/h

NOTES:

Borehole Log		Downhole Radiological Profile					Core Scan	Sample	
1" NaI (44-2)		Response	Depth						
		(cpm)	(feet)				(cpm)	Collected	Shipped
1127	0								
2697							10558	X	
2912	-1								
1017							10555	X	
3000	-2						10918	X	
3012									
3033	-3								
2995									
3188	-4								
3386									
3137	-5								
2931							11001	X	
2503	-6								
2562							10928	X	
2288	-7								
2401							11217	X	
2904	-8								
2216							10838	X	
2262	-9								
2245							10229	X	
2593	-10								
2331							10533	X	
2328	-11								
2940							11029	X	
3327	-12								
3198							11457	X	
3408	-13								
3454									
3004	-14								
2104									
1734	-15								
1821									
2528	-16								
2287									
1867	-17								
2209									
2735	-18								
2041									
1307	-19								
1066							11146	X	
1199	-20								
1600							10729	X	
2321	-21								
3346							11264	X	
2515	-22								
1829							10941	X	
2192	-23								
2115							10806	X	
2933	-24								
3321									

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: **BH14-5**
 Date Collected: **2/25/2014**
 GPS Location 1: **4294346.20**
 GPS Location 2: **722297.06**

Background Reading using 44-20:
9152 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) **5** µR/h

NOTES:

Borehole Log		Downhole Radiological Profile				Core Scan	Sample	
1" NaI (44-2)	Depth					1" NaI (44-2)	Collected	Shipped
Response (cpm)	(feet)					Response (cpm)		
3412	-25	000	000	000	000			
3154								
3092	-26							
2286								
1363	-27							
1003								
878	-28							
922								
913	-29							
1172						10389	X	
1182	-30							
960						9811	X	
819	-31							
1120						10216	X	
1416	-32							
2144						10479	X	
2703	-33							
2347						10541	X	
2091	-34							
2098								
1702	-35							
1802								
2340	-36							
2790								
2920	-37							
2266								
1863	-38							
1854								
1051	-39							
977						10629	X	
944	-40							
1288						10422	X	
1407	-41							
1532						10819	X	
1916	-42							
2798						10994	X	
2240	-43							
2004								
1851	-44							
1750								
1524	-45							
1294								
1274	-46							
1539								
1655	-47							
1477								
1654	-48							
2019								
2359	-49							
2451						9455	X	

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID:	BH14-5
Date Collected:	2/25/2014
GPS Location 1:	4294346.20
GPS Location 2:	722297.06

Background Reading using 44-20:

9152 cpm

Dose Reading 1 m above Surface (M19):

(@ BH location)	5	$\mu\text{R/h}$
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NOTES:

Borehole Log			Core Scan		Sample	
1"NaI (44-2)		Depth (feet)	Downhole Radiological Profile	1"NaI (44-2) Response (cpm)	Collected	Shipped
Response (cpm)						
1738	--50					
1095				9782	X	
800	---51			9531	X	
553						
580	---52					
693						
817	---53					
1389						
2160	---54					
2660						
2391	--55					
1364						
1065	---56					
985						
1004	---57					
948						
1453	---58					
2430						
3061	---59					
2986				9803	X	
1827	--60					
998				10741	X	
623	---61			10268	X	
542				9614	X	
519	---62			10036	X	
603				10419	X	
708	---63			10124	X	
982						
1082	---64					
1088						
1662	--65					
1852						
2374	---66					
2365						
2320	---67					
1857						
1488	---68					
1241						
1149	---69			10192	X	
1159				10220	X	
1471	--70					
2213						
2065	---71					
2010						
1384	---72					
871						
613	---73					
498						
506	---74					
764						

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: **BH14-5**
 Date Collected: **2/25/2014**
 GPS Location 1: **4294346.20**
 GPS Location 2: **722297.06**

Background Reading using 44-20:
9152 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) **5** µR/h

NOTES:

Borehole Log		Downhole Radiological Profile				Core Scan	Sample	
1" NaI (44-2)	Depth					1" NaI (44-2)	Collected	Shipped
Response	(feet)					Response		
(cpm)	(feet)					(cpm)		
986	-75	000	000	000	000			
1070								
926	-76							
788								
783	-77							
748								
882	-78							
940								
987	-79							
1503						9746	X	
1762	-80					10029	X	
1502								
1136	-81					9866	X	
964						9415	X	
1029	-82					9717	X	
924						9648	X	
959	-83							
1021								
1073	-84							
1092								
925	-85							
867								
1123	-86							
813								
898	-87							
797								
900	-88							
831								
	-89							
	-90							
	-91							
	-92							
	-93							
	-94							
	-95							
	-96							
	-97							
	-98							
	-99							
	-100							

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: 14-7
Date Collected: 1/16/2014
GPS Location 1: 4294317.26
GPS Location 2: 722320.06

Area Bkg for Core Scan (2221/44-20):
 11718 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) 6 µR/h

NOTES:

Borehole Log
1" NaI (44-2)

Response
 (cpm)

Depth
 (feet)

Downhole
Radiological Profile

Core Scan
1" NaI (44-2)
Response
 (cpm)

Sample
Collected
Shipped

Response (cpm)	Depth (feet)	Downhole Radiological Profile	Core Scan 1" NaI (44-2) Response (cpm)	Sample Collected	Sample Shipped
1270	0				
1837			10476	X	
2498	-1				
2675			11290	X	
3030	-2				
3109			11596	X	
3096	-3				
2883			10865	X	
2657	-4				
2463					
2110	-5				
2267			10566	X	
2416	-6				
2251			11282	X	
2690	-7				
2387			10535	X	
2068	-8				
2470					
2925	-9				
2483			11096	X	
2180	-10				
2428			10929	X	
2484	-11				
2744			10134	X	
3076	-12				
3248			10701	X	
3468	-13				
3510			11666	X	X
3562	-14				
3472			11193	X	
3633	-15				
3334			10769	X	
2850	-16				
1983					
1582	-17				
1742					
1979	-18				
1452					
1124	-19				
1232			10346	X	
1678	-20				
2455			10141	X	
1641	-21				
887			9772	X	
764	-22				
804			10122	X	
1184	-23				
2005					
1709	-24				
1521					

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID:	14-7
Date Collected:	1/16/2014
GPS Location 1:	4294317.26
GPS Location 2:	722320.06

Background Reading using 44-20:

11718	cpm
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Dose Reading 1 m above Surface (M19):

(@ BH location)	6	$\mu\text{R/h}$
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NOTES:

Borehole Log		Downhole Radiological Profile				Core Scan	Sample	
1"NaI (44-2)	Depth					1"NaI (44-2)	Collected	Shipped
Response	(feet)					Response		
(cpm)						(cpm)		
2123	25	000	000	000	000			
2903								
2584	26							
3172								
3588	27							
3550								
3474	28							
3393								
3383	29							
2579						11419	X	
2769	30							
2893						10992	X	
3168	31							
3637						13227	X	
3524	32							
3414						12915	X	
3385	33							
3315						12300	X	
3046	34							
2010								
1775	35							
1942								
2758	36							
3282								
3558	37							
2601								
1643	38							
1186								
1147	39							
1134						10339	X	X
1185	40							
1394						10727	X	
1664	41							
2022						13121	X	
2822	42							
3328						12678	X	
3028	43							
2500						11413	X	
2470	44							
3017								
3557	45							
3390								
2795	46							
2757								
3095	47							
2745								
1529	48							
1340								
1236	49							
1222						10483	X	

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: 14-7
Date Collected: 1/16/2014
GPS Location 1: 4294317.26
GPS Location 2: 722320.06

Background Reading using 44-20:
 11718 cpm
Dose Reading 1 m above Surface (M19):
 (@ BH location) 6 µR/h

NOTES:

Borehole Log		Downhole Radiological Profile				Core Scan	Sample	
1" NaI (44-2)		Response	Depth					
		(cpm)	(feet)				Collected	Shipped
1120	-50	938						
1185	-51	1730				11024	X	
2447	-52	2050				11035	X	
1242	-53	731				10677	X	
607	-54	577				11958	X	
546	-55	554						
593	-56	948						
1525	-57	2250						
2378	-58	2239						
1593	-59	816						
559	-60	446				11426	X	
590	-61	551				10831	X	
690	-62	1065				9697	X	
1635	-63	1754				10099	X	
1577	-64	1488				9583	X	
1641	-65	2030						
1869	-66	2048						
2190	-67	1913						
1159	-68	1372						
1809	-69	2395						
1770	-70	949				9970	X	
884	-71	775				10382	X	
981	-72	1450				10803	X	
1807	-73	1707				11287	X	
1571	-74	834				11212	X	

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: 14-7
Date Collected: 1/16/2014
GPS Location 1: 4294317.26
GPS Location 2: 722320.06

Background Reading using 44-20:
11718 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) 6 μ R/h

NOTES:

Borehole Log		Downhole Radiological Profile				Core Scan	Sample	
1" NaI (44-2)	Depth					1" NaI (44-2)	Collected	Shipped
Response	(feet)					Response		
(cpm)	(feet)					(cpm)		
574	-75	000	000	000	000			
611								
558	-76							
473								
457	-77							
581								
822	-78							
820								
696	-79							
695						9587	X	
654	-80							
719						9515	X	
781	-81							
871						9830	X	
1147	-82							
1355						10632	X	
2128	-83							
2429						10122	X	
1604	-84							
1223						9160	X	
967	-85							
898						10118	X	
958	-86							
891						10417	X	
1036	-87							
1426						10192	X	
1725	-88							
1239						11090	X	
1066	-89							
1062						10382	X	
	-90							
						9588	X	
	-91							
						9471	X	
	-92							
						10763	X	
	-93							
						10461	X	
	-94							
						10501	X	
	-95							
						10150	X	
	-96							
						10872	X	
	-97							
						10866	X	
	-98							
	-99							
	-100							

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: 15-2
Date Collected: 1/18/2014
GPS Location 1: 4294392.21
GPS Location 2: 722292.58

Area Bkg for Core Scan (2221/44-20):
 10921 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) 8 µR/h

NOTES:

Borehole Log		Downhole Radiological Profile		Core Scan	Sample	
1" NaI (44-2)	Response	Depth		1" NaI (44-2)	Collected	Shipped
	(cpm)	(feet)		(cpm)		
1632		0				
2506				10436	X	
2173		-1				
1961				10611	X	
2383		-2		10899	X	
2712						
2745		-3				
3006						
3436		-4				
3672						
3865		-5				
3857				11353	X	
3893		-6		11890	X	
3904						
3867		-7				
3763						
3598		-8				
3471						
3252		-9				
2999				11346	X	
2890		-10		12008	X	
3071						
3140		-11		12831	X	
3315				13013	X	
3478		-12		12413	X	
3463						
3576		-13				
3545						
3518		-14				
3714						
3841		-15				
3795						
3799		-16				
3692						
4015		-17				
4000						
3923		-18				
4106						
4028		-19				
4010				10704	X	
4038		-20		11469	X	
4042				11684	X	
4053		-21		12381	X	
3939				12037	X	
3889		-22				
3999						
4081		-23				
3955						
3768		-24		13899	X	X
4116						

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: 15-2
Date Collected: 1/18/2014
GPS Location 1: 4294392.21
GPS Location 2: 722292.58

Background Reading using 44-20:
 10921 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) 8 µR/h

NOTES:

Borehole Log			Downhole Radiological Profile							Core Scan	Sample	
1" NaI (44-2)	Response	Depth									NaI (44-2)	Response
	(cpm)	(feet)								(cpm)		
4723		-25										
4864										11766	X	
5184		-26								12221	X	
5068												
4862		-27								10871	X	
4588												
4016		-28										
		-29								11043	X	
		-30								11793	X	
		-31								12110	X	
		-32								12098	X	
		-33								11810	X	
		-34								12450	X	
		-35								12636	X	
		-36								12306	X	
		-37								11843	X	
		-38										
		-39								12366	X	
		-40								12934	X	
		-41								13353	X	
		-42								13349	X	
		-43								13421	X	X
		-44								12942	X	
		-45								12927	X	
		-46								12790	X	
		-47										
		-48										
		-49								12141	X	

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: 15-2
Date Collected: 1/18/2014
GPS Location 1: 4294392.21
GPS Location 2: 722292.58

Background Reading using 44-20:
 10921 cpm
Dose Reading 1 m above Surface (M19):
 (@ BH location) 8 µR/h

NOTES:

Borehole Log 1"NaI (44-2)		Downhole Radiological Profile				Core Scan 1"NaI (44-2) Response (cpm)	Sample	
Response (cpm)	Depth (feet)						Collected	Shipped
	-50							
	-51					12399	X	
	-52					11797	X	
	-53							
	-54							
	-55							
	-56							
	-57							
	-58							
	-59							
	-60							
	-61							
	-62							
	-63							
	-64							
	-65							
	-66							
	-67							
	-68							
	-69							
	-70							
	-71							
	-72							
	-73							
	-74							

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: 16-3
Date Collected: 1/19/2014
GPS Location 1: 4294388.23
GPS Location 2: 722314.13

Area Bkg for Core Scan (2221/44-20):
 10005 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) 7 µR/h

NOTES:

Borehole Log		Downhole Radiological Profile		Core Scan	Sample	
1" NaI (44-2)	Depth			1" NaI (44-2)	Collected	Shipped
Response (cpm)	(feet)			Response (cpm)		
1042	0	2000	4000			
2541				10941	X	
3041	-1					
3254						
3758	-2					
3744						
3849	-3					
3696						
3729	-4					
3596						
3544	-5					
3367				11607	X	
3436	-6					
3528				12251	X	X
3581	-7					
3491				11628	X	
3478	-8					
3405				11557	X	
3579	-9					
3632				11922	X	
3769	-10					
4081				13165	X	
4090	-11					
4095				12019	X	X
3966	-12					
3932				11971	X	
3887	-13					
3946				11129	X	
3398	-14					
2943						
1697	-15					
1171						
1033	-16					
851						
992	-17					
1133						
1316	-18					
1390				11642	X	
3031	-19					
3681						
4118	-20					
3891						
3535	-21					
3421						
3551	-22					
3637						
1799	-23					
1373						
1217	-24					
1163						

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: 16-3
Date Collected: 1/19/2014
GPS Location 1: 4294388.23
GPS Location 2: 722314.13

Background Reading using 44-20:
10005 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) 7 µR/h

NOTES:

Borehole Log		Downhole Radiological Profile				Core Scan	Sample	
1" NaI (44-2)		Response	Depth					
		(cpm)	(feet)					
1186	-25							
1230								
1379	-26							
	-27							
	-28							
	-29					9854	X	
	-30					10176	X	
	-31					9941	X	
	-32					11146	X	
	-33					10456	X	
	-34					10201	X	
	-35							
	-36							
	-37							
	-38							
	-39							
	-40							
	-41							
	-42							
	-43							
	-44							
	-45							
	-46							
	-47							
	-48							
	-49							

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: 16-6
Date Collected: 1/18/2014
GPS Location 1: 4294357.28
GPS Location 2: 722344.74

Area Bkg for Core Scan (2221/44-20):
 10208 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) 5 µR/h

NOTES:

Borehole Log
1"NaI (44-2)

Response
 (cpm)

Depth
 (feet)

Downhole
Radiological Profile

Core Scan
1"NaI (44-2)
Response
 (cpm)

Sample
Collected
Shipped

Response (cpm)	Depth (feet)	Downhole Radiological Profile	Core Scan 1"NaI (44-2) Response (cpm)	Sample Collected	Sample Shipped
2312	0				
3137			11339	X	
3373	-1				
3552					
3625	-2				
3485					
3448	-3				
2636					
1936	-4				
2066					
2858	-5				
3509			12397	X	
3570	-6				
3395			12732	X	X
3168	-7				
2670			12003	X	
1849	-8				
1320			9624	X	
1177	-9				
1213			10894	X	
1593	-10				
2119			10474	X	
2695	-11				
3338			11410	X	
3432	-12				
3555			11362	X	
3627	-13				
3574			11031	X	
3841	-14				
3513			11677	X	
2702	-15				
2610					
2875	-16				
2971					
	-17				
	-18				
	-19				
			12229	X	
	-20				
			12672	X	
	-21				
			13051	X	X
	-22				
			12962	X	
	-23				
			11386	X	
	-24				
			10281	X	

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: 16-6
Date Collected: 1/18/2014
GPS Location 1: 4294357.28
GPS Location 2: 722344.74

Background Reading using 44-20:
10208 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) 5 μ R/h

NOTES:

Borehole Log		Downhole Radiological Profile								Core Scan	Sample	
1"NaI (44-2)										1"NaI (44-2)	Collected	Shipped
Response	Depth									Response		
(cpm)	(feet)									(cpm)		
	-25									10868	X	
	-26									11064	X	
	-27									11167	X	
	-28											
	-29									10945	X	
	-30									11057	X	
	-31									11301	X	
	-32									10642	X	
	-33									11012	X	
	-34											
	-35											
	-36											
	-37											
	-38											
	-39											
	-40											
	-41											
	-42											
	-43											
	-44											
	-45											
	-46											
	-47											
	-48											
	-49											

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: **WL-119**

Date Collected: **1/22/2014**

GPS Location 1: **4294309.15**

GPS Location 2: **722151.22**

Area Bkg for Core Scan (2221/44-20):

11020 cpm

Dose Reading 1 m above Surface (M19):

(@ BH location) **5** μ R/h

NOTES:

Borehole Log

1"NaI (44-2)

Response

(cpm)

Depth
(feet)

Downhole
Radiological Profile

Core Scan

1"NaI (44-2)

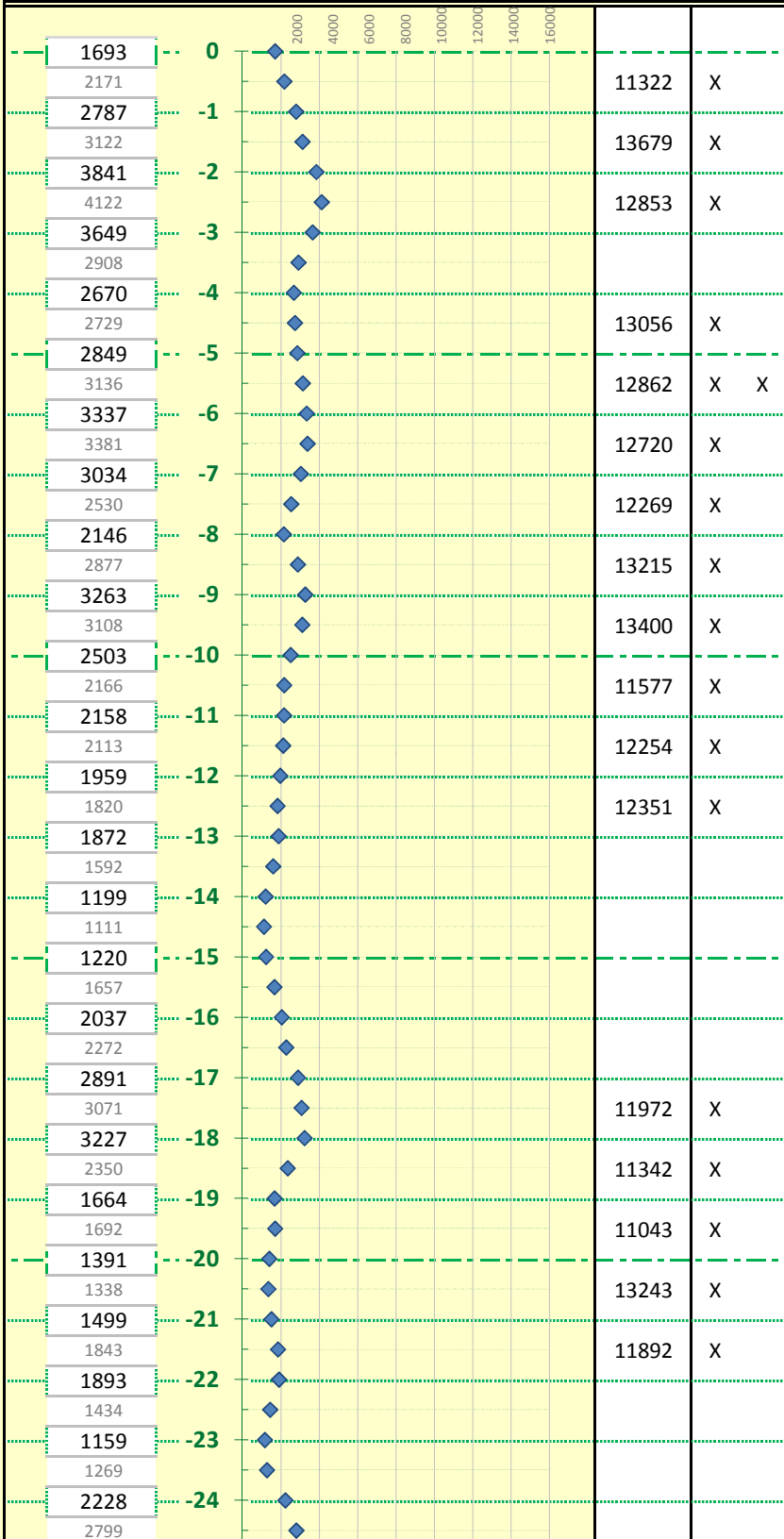
Response

(cpm)

Sample

Collected

Shipped



A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: WL-119
Date Collected: 1/22/2014
GPS Location 1: 4294309.15
GPS Location 2: 722151.22

Background Reading using 44-20:
11020 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) 5 µR/h

NOTES:

Borehole Log		Downhole Radiological Profile						Core Scan	Sample	
1" NaI (44-2)		Response	Depth							
		(cpm)	(feet)						Collected	Shipped
2783	-25									
2628										
2060	-26									
1424										
996	-27									
800								10191	X	
780	-28									
887								10912	X	
995	-29									
1297								11991	X	
1427	-30									
1289										
1416	-31									
2401										
5985	-32									
7941										
3230	-33									
1571										
1540	-34									
1902										
2460	-35									
2452										
1784	-36									
1563										
1500	-37									
1656								10910	X	
1663	-38									
1668								10904	X	
1592	-39									
1037								10856	X	
851	-40									
1024								12512	X	
1586	-41									
2486								12059	X	
3060	-42									
2980										
2378	-43									
1604										
1513	-44									
1000										
	-45									
	-46									
422	-47									
564								10700	X	
581	-48									
552								11033	X	
699	-49									
1013								11261	X	

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: **WL-119**

Date Collected: **1/22/2014**

GPS Location 1: **4294309.15**

GPS Location 2: **722151.22**

Background Reading using 44-20:

11020 cpm

Dose Reading 1 m above Surface (M19):

(@ BH location) **5** μ R/h

NOTES:

Borehole Log

1" NaI (44-2)

Response

(cpm)

Depth
(feet)

Downhole
Radiological Profile

Core Scan

1" NaI (44-2)

Response

(cpm)

Sample

Collected

Shipped

Response (cpm)	Depth (feet)	Downhole Radiological Profile	Core Scan 1" NaI (44-2) Response (cpm)	Sample Collected	Sample Shipped
1364	-50				
1563			11691	X	
1885	-51				
2146			11291	X	X
2143	-52				
2087			10912	X	
2041	-53				
2057			11269	X	
2004	-54				
2124			10635	X	
2189	-55				
2471					
2316	-56				
2116					
2058	-57				
2084					
2059	-58				
2054					
2094	-59				
	-60				
	-61				
	-62				
	-63				
	-64				
	-65				
	-66				
	-67				
	-68				
	-69				
	-70				
	-71				
	-72				
	-73				
	-74				

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: **BH1C-6**
Date Collected: **2/16/2014**
GPS Location 1: **4294316.37**
GPS Location 2: **722293.38**

Area Bkg for Core Scan (2221/44-20):
10400 cpm

Dose Reading 1 m above Surface (M19):
(@ BH location) 4 μ R/h

NOTES:

Borehole Log		Downhole Radiological Profile		Core Scan	Sample	
1" NaI (44-2)	Depth			1" NaI (44-2)	Collected	Shipped
Response	(feet)			Response		
(cpm)	(feet)			(cpm)		
842	0					
1009				13471	X	
1237	-1					
1526				14762	X	
1620	-2					
1332				14383	X	
1232	-3					
1148				14080	X	
1178	-4					
1559						
1759	-5					
2274				13280	X	
3075	-6					
3218				13592	X	
2242	-7					
1526						
1190	-8					
1133						
1262	-9					
1627				10561	X	
2045	-10					
2984				10929	X	
3448	-11					
3165				11122	X	
2377	-12					
1505				10183	X	
948	-13					
800				10007	X	
778	-14					
790				9400	X	
803	-15					
900						
1135	-16					
1673						
1760	-17					
1374						
1430	-18					
1751						
2723	-19					
3722				10328	X	
4200	-20					
5189				10442	X	
6761	-21					
11472						
28199	-22					
53732						
43012	-23					
23101						
9763	-24					
6071				13073	X	

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID:	BH1C-6
Date Collected:	2/16/2014
GPS Location 1:	4294316.37
GPS Location 2:	722293.38

Background Reading using 44-20:

10400	cpm
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Dose Reading 1 m above Surface (M19):

(@ BH location)	4	$\mu\text{R/h}$
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NOTES:

Borehole Log 1"Nal (44-2)			Downhole Radiological Profile	Core Scan 1"Nal (44-2) Response (cpm)	Sample	
Response (cpm)	Depth (feet)	Collected			Shipped	
5241	-25	000	000			
4003			000	11837	X	
3125	-26	000	000	15025	X	
2396						
2287	-27	000	000	10627	X	
2148						
2256	-28	000	000	10404	X	
2755						
3333	-29	000	000	10369	X	
	-30			11204	X	
	-31			10921	X	
	-32			11131	X	
	-33					
	-34					
	-35					
	-36					
	-37					
	-38					
	-39					
				11138	X	
	-40			11477	X	
	-41			11216	X	
	-42			11632	X	
	-43			11221	X	
	-44			10894	X	
	-45			11001	X	
	-46			10692	X	
	-47			10917	X	
	-48					
	-49			10843	X	

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID:	BH1C-6
Date Collected:	2/16/2014
GPS Location 1:	4294316.37
GPS Location 2:	722293.38

Background Reading using 44-20:

10400 cpm

Dose Reading 1 m above Surface (M19):

(@ BH location)	4	$\mu\text{R/h}$
-----------------	---	-----------------

NOTES:

[illegible]

A&A BOREHOLE LOGGING REPORT (0' - 100')

Sample Core ID: BH1C-6
Date Collected: 2/16/2014
GPS Location 1: 4294316.37
GPS Location 2: 722293.38

Background Reading using 44-20:
10400 cpm

Dose Reading 1 m above Surface (M19):
 (@ BH location) 4 μR/h

NOTES:

Borehole Log		Downhole Radiological Profile		Core Scan	Sample	
1"NaI (44-2)	Depth			1"NaI (44-2)	Collected	Shipped
Response	(feet)			Response		
(cpm)	(feet)			(cpm)		
	-75	000	000	10610	X	
	-76			11173	X	
	-77			11097	X	
	-78					
	-79			11154	X	
	-80			11065	X	
	-81			11437	X	
	-82			11216	X	
	-83			11074	X	
	-84			11966	X	
	-85			11801	X	
	-86			11070	X	
	-87			11128	X	
	-88					
	-89			10830	X	
	-90			11181	X	
	-91					
	-92					
	-93					
	-94					
	-95					
	-96					
	-97					
	-98					
	-99					
	-100	0	2000			

APPENDIX D

SOIL CORE SAMPLES CHAINS OF CUSTODY



Radiological Health, Safety and Environmental Services
A USA Environmental, L.P. Company

14-01113 REC'D JAN 23 2014

Auxier & Associates, Inc.
9821 Cogdill Road
Suite 1
Knoxville, TN 37932
(423) 675-3669

CHAIN OF CUSTODY FORM

Project Name:	FEE/BRI	Project Manager:	Beth Jansen
Location:	Bridgeton, MO	Telephone No.:	865-675-3669
Sample Custodian:	Matt Walton	Fax No.:	865-675-3677

SAMPLE IDENTIFICATION	DATE OF COLLECTION	SAMPLE DESCRIPTION	SAMPLE IDENTIFICATION	DATE OF COLLECTION	SAMPLE DESCRIPTION
4 FEEBRI14-4.005-006	01/20/2014	Soil core Sample 5' to 6'	16 FEEBRI12-5.012-013	01/18/2014	Soil Core Sample 12' to 13'
5 FEEBRI14-4.028-029	01/20/2014	Soil core Sample 28' to 29'	17 FEEBRI14-2.019-020	01/17/2014	Soil Core Sample 19' to 20'
6 FEEBRI14-7.013-014	01/20/2014	Soil core Sample 13' to 14'	18 FEEBRI14-2.029-031	01/17/2014	Soil Core Sample 29' to 31'
7 FEEBRI14-7.038-039	01/20/2014	Soil core Sample 38' to 39'	19 FEEBRI13-3.019-020	01/15/2014	Soil Core Sample 19' to 20'
8 FEEBRI15-2.043-044	01/20/2014	Soil core Sample 43' to 44'	20 FEEBRI13-3.029-030	01/15/2014	Soil Core Sample 29' to 30'
9 FEEBRI15-2.024-025	01/20/2014	Soil core Sample 24' to 25'			
10 FEEBRI16-3.006-007	01/19/2014	Soil Core Sample 6' to 7'			
11 FEEBRI16-3.011-012	01/19/2014	Soil Core Sample 11' to 12'			
12 FEEBRI16-3.011-012	01/19/2014	Soil Core Sample (duplicate) 11' to 12'			
13 FEEBRI16-6.006-007	01/19/2014	Soil Core Sample 6' to 7'			
14 FEEBRI16-6.021-022	01/19/2014	Soil Core Sample 21' to 22'			
15 FEEBRI12-5.002-003	01/18/2014	Soil Core Sample 2' to 3'			

Relinquished By: Matt Walton	01/20/2014	Received In Good Condition By: Kristen Calate	Time: 1000	Date: 1/23/14
Method Of Shipment:				
Relinquished By:		Received In Good Condition By:	Time:	Date:
Method Of Shipment:				



REC'D FEB 11 2014

14-02048

Auxier & Associates, Inc.
9821 Cogdill Road
Suite 1
Knoxville, TN 37932
(423) 675-3669

CHAIN OF CUSTODY FORM

Project Name:	FEE/BRI	Project Manager:	Beth Jansen
Location:	Bridgeton, MO	Telephone No.:	865-675-3669
Sample Custodian:	Matt Walton	Fax No.:	865-675-3677

	SAMPLE IDENTIFICATION	DATE OF COLLECTION	SAMPLE DESCRIPTION		SAMPLE IDENTIFICATION	DATE OF COLLECTION	SAMPLE DESCRIPTION
4	FEEBRIS02-1.028-029	01/30/2014	Soil core sample 28' to 29'	16	FEEBRIS01-2.028-029	02/03/2014	Soil core sample 28' to 29'
5	FEEBRIS08-1.040-041	01/30/2014	Soil core sample 40' to 41'				
6	FEEBRISWL119.005-006	01/30/2014	Soil core sample 5' to 6'				
7	FEEBRISWL119.051-052	01/30/2014	Soil core sample 51' to 52'				
8 *	FEEBRIS05-3.028-029	01/31/2014	Soil core sample 28' to 29'				
9	FEEBRIS05-3.029-030	01/31/2014	Soil core sample 29' to 30'				
10	FEEBRIS05-3.029-030 D	01/31/2014	Soil core sample 29' to 30' Duplicate				
11	FEEBRIS05-3.033-034	01/31/2014	Soil core sample 33' to 34'				
12	FEEBRIS02-2.005-006	02/01/2014	Soil core sample 5' to 6'				
13	FEEBRIS02-2.021-022	02/01/2014	Soil core sample 21' to 22'				
14	FEEBRIS01-2.024-025	02/03/2014	Soil core sample 24' to 25'				
15	FEEBRIS01-2.039-040	02/03/2014	Soil core sample 39' to 40'				

Relinquished By: Matt Walton	02/06/2014	Received In Good Condition By: Kristen Coulston	Time: 1045	Date: 2/11/14
Method Of Shipment:				
Relinquished By:		Received In Good Condition By:	Time:	Date:
Method Of Shipment:				

* = Hot Sample. 160 hr on contact / 25 hr @ 3cm.

g:\marsha\forms\COC 08/13/99



Radiological Health, Safety and Environmental Services
A USA Environmental, L.P. Company

14-03004

REC'D MAR 03 2014

Auxier & Associates, Inc.
9821 Cogdill Road
Suite 1
Knoxville, TN 37932
(423) 675-3669

CHAIN OF CUSTODY FORM

Project Name:	FEE/BRI	Project Manager:	Beth Jansen
Location:	Bridgeton, MO	Telephone No.:	865-675-3669
Sample Custodian:	Matt Walton	Fax No.:	865-675-3677

	SAMPLE IDENTIFICATION	DATE OF COLLECTION	SAMPLE DESCRIPTION	SAMPLE IDENTIFICATION	DATE OF COLLECTION	SAMPLE DESCRIPTION
4	FEEBRI CS. 021314	02/13/2014	Core Spoil Comp. Sample. 1 yrd.			
5	FEEBRI SC-6. 019-020	02/18/2014	Soil core sample 19' to 20'			
6	FEEBRI SC-6. 024-025	02/18/2014	Soil core sample 24' to 25'			
7	FEEBRI SC-6. 025-026	02/18/2014	Soil core sample 25' to 26'			
8	FEEBRI SC-6. 026-027	02/18/2014	Soil core sample 26' to 27'			
9	FEEBRI S13-6. 021-022	02/21/2014	Soil core sample 21' to 22'			
10	FEEBRI S13-6. 021-022 D	02/21/2014	Duplicate 21' to 22'			
11	FEEBRI S18-6. 039-040	02/21/2014	Soil core sample 39' to 40'			
12	FEEBRI 14-5. 012-013	02/26/2014	Soil core sample 12' to 13'			
13	FEEBRI 14-5. 060-061	02/26/2014	Soil core sample 60' to 61'			
	POLLY TANK 500 GAL	02/21/2014	4 Liter Water sample			
	POLLY TANK 300 GAL	02/21/2014	4 Liter Water sample.			

Relinquished By: <u>Matt Walton</u>	Received In Good Condition By: <u>Kristen Carlson</u>	Time: <u>1000</u>	Date: <u>3/3/14</u>
Method Of Shipment: <u>FedEx</u>			
Relinquished By:	Received In Good Condition By:	Time:	Date:
Method Of Shipment:			



Radiological Health, Safety and Environmental Services
A Division of Environmental Sciences

14-03082

REC'D MAR 17 2014

Auxier & Associates, Inc.
9821 Cogdill Road
Suite 1
Knoxville, TN 37932
(423) 675-3669

CHAIN OF CUSTODY FORM

Project Name:	FEE/BRI	Project Manager:	Beth Jansen
Location:	Bridgeton, MO	Telephone No.:	865-675-3669
Sample Custodian:	Matt Walton	Fax No.:	865-675-3677

	SAMPLE IDENTIFICATION	DATE OF COLLECTION	SAMPLE DESCRIPTION		SAMPLE IDENTIFICATION	DATE OF COLLECTION	SAMPLE DESCRIPTION
4	FEEBRI51C-6T1.022-023 GP	03/12/14	Geoprobe Core Sample 22' to 23'		FEEBRI502-3.035-036 GP	03/13/14	35' to 36'
5	FEEBRI51C-12.049-060 GP	03/12/14	49' to 50'		FEEBRI502-2.031-032 GP	03/13/14	31' to 32'
6	FEEBRI51C-12b.054-055 GP	03/12/14	54' to 55'		FEEBRI51C-12.048-049 GP	03/12/14	48' to 49'
7	FEEBRI51C-12b.053-054 GP	03/13/14	53' to 54'		FEEBRI51-2.023-024 GP	03/13/14	23' to 24'
8	FEEBRI5WL-119.034-035 GP	03/13/14	34' to 35'		FEEBRI51-2.028-029 GP	03/13/14	28' to 29'
9	FEEBRI5WL-119b.038-039 GP	03/13/14	38' to 39'		FEEBRI51C-2RA.028-029 GP	03/13/14	28' to 29'
10	FEEBRI5WL-119c.043-044 GP	03/13/14	43' to 44'		FEEBRI51C-4R.046-047 GP	03/13/14	46' to 47'
11	FEEBRI5WL-119c.045-046 GP	03/13/14	45' to 46'		FEEBRI51C-4RB.046-047 GP	03/13/14	46' to 47'
12	FEEBRI508-1b.029-030 GP	03/13/14	29' to 30'		FEEBRI51C-12c.055-056 GP	03/13/14	55' to 56'
13	FEEBRI508-1b.028-029 GP	03/13/14	28' to 29'				
14	FEEBRI508-1b.028-029 GP-D	03/13/14	28' to 29' (Duplicate)				
15	FEEBRI502-3.034-035 GP	03/13/14	34' to 35'				

Relinquished By: Matt Walton	03/14/2014	Received In Good Condition By: Kriston Coulston	Time: 1030	Date: 3/17/14
Method Of Shipment:				
Relinquished By:		Received In Good Condition By:	Time:	Date:
Method Of Shipment:				



Radiological Health, Safety and Environmental Services
1125 E. 12th Street, Suite 100
Knoxville, TN 37932

14-03083

REC'D MAR 17 2014

Auxier & Associates, Inc.
9821 Cogdill Road
Suite 1
Knoxville, TN 37932
(423) 675-3669

CHAIN OF CUSTODY FORM

Project Name:	FEE/BRI	Project Manager:	Beth Jansen
Location:	Bridgeton, MO	Telephone No.:	865-675-3669
Sample Custodian:	Matt Walton	Fax No.:	865-675-3677

SAMPLE IDENTIFICATION	DATE OF COLLECTION	SAMPLE DESCRIPTION	SAMPLE IDENTIFICATION	DATE OF COLLECTION	SAMPLE DESCRIPTION
FEEBRSIC-6T1.022-023 GP	03/12/14	Geoprobe Core Sample 22' to 23'	FEEBRSIC-02-3.035-036 GP	03/13/14	35' to 36'
FEEBRSIC-12.049-050 GP	03/12/14	49' to 50'	FEEBRSIC-02-2.031-032 GP	03/13/14	31' to 32'
FEEBRSIC-126.054-055 GP	03/12/14	54' to 55'	FEEBRSIC-12.048-049 GP	03/12/14	48' to 49'
FEEBRSIC-126.053-054 GP	03/13/14	53' to 54'	FEEBRSIC-2.023-024 GP	03/13/14	23' to 24'
FEEBRSIC-119.034-035 GP	03/13/14	34' to 35'	FEEBRSIC-2.028-029 GP	03/13/14	28' to 29'
FEEBRSIC-119b.038-039 GP	03/13/14	38' to 39'	FEEBRSIC-2RA.028-029 GP	03/13/14	28' to 29'
FEEBRSIC-119c.043-044 GP	03/13/14	43' to 44'	FEEBRSIC-4R.046-047 GP	03/13/14	46' to 47'
FEEBRSIC-119c.045-046 GP	03/13/14	45' to 46'	FEEBRSIC-4RB.046-047 GP	03/13/14	46' to 47'
FEEBRSIC-08-1b.029-030 GP	03/13/14	29' to 30'	FEEBRSIC-12C.055-056 GP	03/13/14	55' to 56'
FEEBRSIC-08-1b.028-029 GP	03/13/14	28' to 29'			
FEEBRSIC-08-1b.028-029 GP-D	03/13/14	28' to 29' (Duplicate)			
FEEBRSIC-02-3.034-035 GP	03/13/14	34' to 35'			

Relinquished By: Matt Walton	03/14/2014	Received In Good Condition By: Kristin Coulton	Time: 10:50	Date: 3/17/14
Method Of Shipment:				
Relinquished By:		Received In Good Condition By:	Time:	Date:
Method Of Shipment:				



Radiological Health, Safety and Environmental Services
A USA Environmental, L.P. Company

REC'D APR 17 2014

14-04118

Auxier & Associates, Inc.
9821 Cogdill Road
Suite 1
Knoxville, TN 37932
(423) 675-3669

CHAIN OF CUSTODY FORM

Project Name:	FEE/BRI	Project Manager:	Beth Jansen
Location:	Bridgeton, MO	Telephone No.:	865-675-3669
Sample Custodian:	Matt Walton	Fax No.:	865-675-3677

SAMPLE IDENTIFICATION	DATE OF COLLECTION	SAMPLE DESCRIPTION	SAMPLE IDENTIFICATION	DATE OF COLLECTION	SAMPLE DESCRIPTION
1 FEEBRI01-2.008-009	04-12-2014	Soil core sample	16 FEEBRI02-2.022-023D	04-13-2014	Soil core sample Duplicate
5 FEEBRI01-2.018-019	04-12-2014	e	17 FEEBRI05-3.025-026	04-13-2014	Soil core sample
6 FEEBRI01-2.020-021	04-12-2014		18 FEEBRI05-3.025-026D	04-13-2014	Soil core sample Duplicate
7 FEEBRI01-2.022-023	04-12-2014		19 FEEBRI08+1.044-045	04-13-2014	Soil core sample
8 FEEBRI01-2.023-024	04-12-2014		20 FEEBRI01-2.023-024	04-14-2014	e
9 FEEBRI01-2.033-034	04-13-2014		FEEBRI01-2.033-034	04-14-2014	
0 FEEBRI01-2.038-039	04-13-2014	Soil core sample Duplicate	FEEBRI01-2.038-039	04-14-2014	Soil core sample Duplicate
1 FEEBRI01-2.038-039D	04-13-2014	Soil core sample	FEEBRI01-2.038-039D	04-14-2014	
2 FEEBRI01-2.040-041	04-13-2014		FEEBRI01-2.040-041	04-14-2014	e
3 FEEBRI02-2.019-020	04-13-2014	e	FEEBRI02-2.019-020	04-14-2014	
4 FEEBRI02-2.020-021	04-13-2014				e
5 FEEBRI02-2.022-023	04-13-2014				

Relinquished By:	Received In Good Condition By: Kristen Coulston	Time: 1134	Date: 4/17/14
Method Of Shipment:			
Relinquished By:	Received In Good Condition By:	Time:	Date:
Method Of Shipment:			



Radiological Health, Safety and Environmental Services
A USA Environmental, L.P. Company

14-04119

REC'D APR 17 2014

Auxier & Associates, Inc.
9821 Cogdill Road
Suite 1
Knoxville, TN 37932
(423) 675-3669

CHAIN OF CUSTODY FORM

Project Name:	FEE/BRI	Project Manager:	Beth Jansen
Location:	Bridgeton, MO	Telephone No.:	865-675-3669
Sample Custodian:	Matt Walton	Fax No.:	865-675-3677

SAMPLE IDENTIFICATION	DATE OF COLLECTION	SAMPLE DESCRIPTION	SAMPLE IDENTIFICATION	DATE OF COLLECTION	SAMPLE DESCRIPTION
FEEBRI01-2.008-009	04-12-2014	Soil core sample	FEEBRI02-2.022-023D	04-13-2014	Soil core sample Duplicate
FEEBRI01-2.018-019	04-12-2014	4	FEEBRI05-3.025-026	04-13-2014	Soil core sample
FEEBRI01-2.020-021	04-12-2014		FEEBRI05-3.025-026D	04-13-2014	Soil core sample Duplicate
FEEBRI01-2.022-023	04-12-2014		FEEBRI08+1.044-045	04-13-2014	Soil core sample
FEEBRI01-2.023-024	04-12-2014		FEEBRI05-3.025-026D	04-13-2014	Soil core sample Duplicate
FEEBRI01-2.033-034	04-13-2014		FEEBRI08+1.044-045	04-13-2014	Soil core sample
FEEBRI01-2.038-039	04-13-2014	5	FEEBRI05-3.025-026D	04-13-2014	Soil core sample Duplicate
FEEBRI01-2.038-039D	04-13-2014	Soil core sample Duplicate 6	FEEBRI08+1.044-045	04-13-2014	Soil core sample
FEEBRI01-2.040-041	04-13-2014	Soil core sample 7	FEEBRI05-3.025-026D	04-13-2014	Soil core sample Duplicate
FEEBRI02-2.019-020	04-13-2014	8	FEEBRI08+1.044-045	04-13-2014	Soil core sample
FEEBRI02-2.020-021	04-13-2014		FEEBRI05-3.025-026D	04-13-2014	Soil core sample Duplicate
FEEBRI02-2.022-023	04-13-2014		FEEBRI08+1.044-045	04-13-2014	Soil core sample

Relinquished By:	Received In Good Condition By: Kristen Coulston	Time: 1134	Date: 4/17/14
Method Of Shipment:			
Relinquished By:	Received In Good Condition By:	Time:	Date:
Method Of Shipment:			

APPENDIX E

EBERLINE ANALYTICAL DATA AND AUXIER VALIDATION OF SOIL CORE RADIOLOGICAL DATA

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:																
			Dan Feezor Feezor Engineering, Inc. 406 East Walnut Street Chatham, IL 62629					SDG:		14-01113 REVISED														
								Purchase Order:		BT-026-PO1														
								Analysis Category:		ENVIRONMENTAL														
Sample Matrix:		SO																						
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS		
14-01113-01	LCS	KNOWN	01/23/14 00:00	1/23/2014	2/24/2014	14-01113	Cobalt-60	LANL ER-130 Modified	1.30E+02	5.22E+00			pCi/g	1/24/2014	1	30				01	CO-60	1.30E+02		
14-01113-01	LCS	KNOWN	01/23/14 00:00	1/23/2014	2/24/2014	14-01113	Cesium-137	LANL ER-130 Modified	8.30E+01	3.32E+00			pCi/g	1/24/2014	1	30				01	CS-137	8.30E+01		
14-01113-01	LCS	SPIKE	01/23/14 00:00	1/23/2014	2/24/2014	14-01113	Cobalt-60	LANL ER-130 Modified	1.37E+02	8.47E+00	1.10E+01	7.46E-01	pCi/g	1/24/2014	1	30				01	CO-60	1.30E+02		
14-01113-01	LCS	SPIKE	01/23/14 00:00	1/23/2014	2/24/2014	14-01113	Cesium-137	LANL ER-130 Modified	8.94E+01	9.50E+00	1.05E+01	1.01E+00	pCi/g	1/24/2014	1	30				01	CS-137	8.30E+01		
14-01113-02	MBL	BLANK	01/23/14 00:00	1/23/2014	2/24/2014	14-01113	Actinium-228	LANL ER-130 Modified	9.21E-02	7.08E-02	7.10E-02	1.44E-01	pCi/g	1/24/2014	1	60				02	AC-228			
14-01113-02	MBL	BLANK	01/23/14 00:00	1/23/2014	2/24/2014	14-01113	Bismuth-214	LANL ER-130 Modified	3.54E-02	4.68E-02	4.68E-02	8.05E-02	pCi/g	1/24/2014	1	60				02	BI-214			
14-01113-02	MBL	BLANK	01/23/14 00:00	1/23/2014	2/24/2014	14-01113	Potassium-40	LANL ER-130 Modified	2.23E-01	1.97E-01	1.97E-01	4.21E-01	pCi/g	1/24/2014	1	60				02	K-40			
14-01113-02	MBL	BLANK	01/23/14 00:00	1/23/2014	2/24/2014	14-01113	Protactinium-231	LANL ER-130 Modified	-3.44E-01	4.19E-01	4.19E-01	7.40E-01	pCi/g	1/24/2014	1	60				02	PA-231			
14-01113-02	MBL	BLANK	01/23/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-210	LANL ER-130 Modified	3.68E-01	4.06E-01	4.07E-01	5.95E-01	pCi/g	1/24/2014	1	60				02	PB-210			
14-01113-02	MBL	BLANK	01/23/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-214	LANL ER-130 Modified	4.33E-02	3.38E-02	3.38E-02	6.27E-02	pCi/g	1/24/2014	1	60				02	PB-214			
14-01113-03	DUP	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Actinium-228	LANL ER-130 Modified	7.06E-01	1.53E-01	1.57E-01	3.06E-01	pCi/g	1/24/2014	607.92	60				03	AC-228			
14-01113-03	DUP	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Bismuth-214	LANL ER-130 Modified	8.83E-01	1.27E-01	1.35E-01	1.97E-01	pCi/g	1/24/2014	607.92	60				03	BI-214			
14-01113-03	DUP	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Potassium-40	LANL ER-130 Modified	9.83E+00	1.39E+00	1.47E+00	9.25E-01	pCi/g	1/24/2014	607.92	60				03	K-40			
14-01113-03	DUP	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Protactinium-231	LANL ER-130 Modified	-1.17E-01	1.05E+00	1.05E+00	1.65E+00	pCi/g	1/24/2014	607.92	60				03	PA-231			
14-01113-03	DUP	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-210	LANL ER-130 Modified	1.34E+00	8.60E-01	8.63E-01	1.22E+00	pCi/g	1/24/2014	607.92	60				03	PB-210			
14-01113-03	DUP	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-212	LANL ER-130 Modified	6.92E-01	9.48E-02	1.01E-01	2.49E-01	pCi/g	1/24/2014	607.92	60				03	PB-212			
14-01113-03	DUP	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-214	LANL ER-130 Modified	9.41E-01	1.20E-01	1.29E-01	1.89E-01	pCi/g	1/24/2014	607.92	60				03	PB-214			
14-01113-03	DUP	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Thallium-208	LANL ER-130 Modified	5.96E-01	1.18E-01	1.22E-01	1.29E-01	pCi/g	1/24/2014	607.92	60				03	TL-208			
14-01113-04	DO	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Actinium-228	LANL ER-130 Modified	6.85E-01	1.24E-01	1.28E-01	4.38E-01	pCi/g	1/24/2014	607.92	60				04	AC-228			
14-01113-04	DO	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Bismuth-214	LANL ER-130 Modified	9.02E-01	1.33E-01	1.41E-01	1.75E-01	pCi/g	1/24/2014	607.92	60				04	BI-214			
14-01113-04	DO	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Potassium-40	LANL ER-130 Modified	1.09E+01	1.43E+00	1.54E+00	6.55E-01	pCi/g	1/24/2014	607.92	60				04	K-40			
14-01113-04	DO	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Protactinium-231	LANL ER-130 Modified	-1.27E+00	1.14E+00	1.14E+00	1.69E+00	pCi/g	1/24/2014	607.92	60				04	PA-231			
14-01113-04	DO	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-210	LANL ER-130 Modified	6.69E-01	7.53E-01	7.54E-01	1.26E+00	pCi/g	1/24/2014	607.92	60				04	PB-210			
14-01113-04	DO	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-212	LANL ER-130 Modified	6.75E-01	9.47E-02	1.01E-01	2.00E-01	pCi/g	1/24/2014	607.92	60				04	PB-212			
14-01113-04	DO	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-214	LANL ER-130 Modified	8.92E-01	1.14E-01	1.23E-01	2.58E-01	pCi/g	1/24/2014	607.92	60				04	PB-214			
14-01113-04	DO	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Thallium-208	LANL ER-130 Modified	5.26E-01	1.01E-01	1.05E-01	1.35E-01	pCi/g	1/24/2014	607.92	60				04	TL-208			

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					Sample Matrix:		SO															
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-01113-05	TRG	FEEBRIS 14-4.028-029	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Actinium-228	LANL ER-130 Modified	8.37E-01	2.37E-01	2.41E-01	5.06E-01	pCi/g	1/24/2014	290.42	60				05	AC-228	
14-01113-05	TRG	FEEBRIS 14-4.028-029	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Bismuth-214	LANL ER-130 Modified	8.22E-01	1.92E-01	1.97E-01	2.92E-01	pCi/g	1/24/2014	290.42	60				05	BI-214	
14-01113-05	TRG	FEEBRIS 14-4.028-029	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Potassium-40	LANL ER-130 Modified	9.40E+00	1.68E+00	1.75E+00	8.83E-01	pCi/g	1/24/2014	290.42	60				05	K-40	
14-01113-05	TRG	FEEBRIS 14-4.028-029	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Protactinium-231	LANL ER-130 Modified	-8.14E-01	1.88E+00	1.88E+00	2.99E+00	pCi/g	1/24/2014	290.42	60				05	PA-231	
14-01113-05	TRG	FEEBRIS 14-4.028-029	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-210	LANL ER-130 Modified	1.69E+00	1.52E+00	1.52E+00	2.52E+00	pCi/g	1/24/2014	290.42	60				05	PB-210	
14-01113-05	TRG	FEEBRIS 14-4.028-029	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-212	LANL ER-130 Modified	8.57E-01	1.93E-01	1.98E-01	2.58E-01	pCi/g	1/24/2014	290.42	60				05	PB-212	
14-01113-05	TRG	FEEBRIS 14-4.028-029	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-214	LANL ER-130 Modified	1.02E+00	2.08E-01	2.14E-01	3.24E-01	pCi/g	1/24/2014	290.42	60				05	PB-214	
14-01113-05	TRG	FEEBRIS 14-4.028-029	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Thallium-208	LANL ER-130 Modified	6.29E-01	2.05E-01	2.07E-01	3.62E-01	pCi/g	1/24/2014	290.42	60				05	TL-208	
14-01113-06	TRG	FEEBRIS 14-7.013-014	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Actinium-228	LANL ER-130 Modified	4.83E-01	1.56E-01	1.58E-01	3.22E-01	pCi/g	1/24/2014	610.29	60				06	AC-228	
14-01113-06	TRG	FEEBRIS 14-7.013-014	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Bismuth-214	LANL ER-130 Modified	8.97E-01	1.44E-01	1.52E-01	3.90E-01	pCi/g	1/24/2014	610.29	60				06	BI-214	
14-01113-06	TRG	FEEBRIS 14-7.013-014	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Potassium-40	LANL ER-130 Modified	9.80E+00	1.61E+00	1.69E+00	1.20E+00	pCi/g	1/24/2014	610.29	60				06	K-40	
14-01113-06	TRG	FEEBRIS 14-7.013-014	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Protactinium-231	LANL ER-130 Modified	8.28E-01	1.47E+00	1.47E+00	2.28E+00	pCi/g	1/24/2014	610.29	60				06	PA-231	
14-01113-06	TRG	FEEBRIS 14-7.013-014	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-210	LANL ER-130 Modified	7.34E-01	9.18E-01	9.19E-01	1.53E+00	pCi/g	1/24/2014	610.29	60				06	PB-210	
14-01113-06	TRG	FEEBRIS 14-7.013-014	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-212	LANL ER-130 Modified	5.27E-01	8.98E-02	9.37E-02	2.82E-01	pCi/g	1/24/2014	610.29	60				06	PB-212	
14-01113-06	TRG	FEEBRIS 14-7.013-014	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-214	LANL ER-130 Modified	8.38E-01	1.42E-01	1.48E-01	1.86E-01	pCi/g	1/24/2014	610.29	60				06	PB-214	
14-01113-06	TRG	FEEBRIS 14-7.013-014	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Thallium-208	LANL ER-130 Modified	5.57E-01	1.72E-01	1.74E-01	3.20E-01	pCi/g	1/24/2014	610.29	60				06	TL-208	
14-01113-07	TRG	FEEBRIS 14-7.039-040	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Actinium-228	LANL ER-130 Modified	9.93E-01	2.92E-01	2.96E-01	6.12E-01	pCi/g	1/24/2014	594.66	120				07	AC-228	
14-01113-07	TRG	FEEBRIS 14-7.039-040	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Bismuth-214	LANL ER-130 Modified	1.32E+00	2.23E-01	2.33E-01	3.31E-01	pCi/g	1/24/2014	594.66	120				07	BI-214	
14-01113-07	TRG	FEEBRIS 14-7.039-040	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Potassium-40	LANL ER-130 Modified	1.75E+01	2.41E+00	2.57E+00	1.38E+00	pCi/g	1/24/2014	594.66	120				07	K-40	
14-01113-07	TRG	FEEBRIS 14-7.039-040	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Protactinium-231	LANL ER-130 Modified	-3.84E-01	7.75E-01	7.75E-01	3.37E+00	pCi/g	1/24/2014	594.66	120				07	PA-231	
14-01113-07	TRG	FEEBRIS 14-7.039-040	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-210	LANL ER-130 Modified	6.29E-01	9.46E-01	9.47E-01	1.40E+00	pCi/g	1/24/2014	594.66	120				07	PB-210	
14-01113-07	TRG	FEEBRIS 14-7.039-040	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-212	LANL ER-130 Modified	1.44E+00	2.23E-01	2.35E-01	2.68E-01	pCi/g	1/24/2014	594.66	120				07	PB-212	
14-01113-07	TRG	FEEBRIS 14-7.039-040	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-214	LANL ER-130 Modified	1.29E+00	1.79E-01	1.91E-01	4.02E-01	pCi/g	1/24/2014	594.66	120				07	PB-214	
14-01113-07	TRG	FEEBRIS 14-7.039-040	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Thallium-208	LANL ER-130 Modified	1.27E+00	2.61E-01	2.69E-01	3.01E-01	pCi/g	1/24/2014	594.66	120				07	TL-208	

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Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-01113-08	TRG	FEEBRIS 15-2.043-044	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Actinium-228	LANL ER-130 Modified	1.42E+00	2.39E-01	2.50E-01	3.50E-01	pCi/g	1/24/2014	523.36	60				08	AC-228	
14-01113-08	TRG	FEEBRIS 15-2.043-044	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Bismuth-214	LANL ER-130 Modified	1.40E+00	1.91E-01	2.04E-01	2.44E-01	pCi/g	1/24/2014	523.36	60				08	BI-214	
14-01113-08	TRG	FEEBRIS 15-2.043-044	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Potassium-40	LANL ER-130 Modified	2.07E+01	2.51E+00	2.73E+00	1.05E+00	pCi/g	1/24/2014	523.36	60				08	K-40	
14-01113-08	TRG	FEEBRIS 15-2.043-044	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Protactinium-231	LANL ER-130 Modified	1.04E-01	6.89E-01	6.89E-01	2.29E+00	pCi/g	1/24/2014	523.36	60				08	PA-231	
14-01113-08	TRG	FEEBRIS 15-2.043-044	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-210	LANL ER-130 Modified	1.35E+00	1.11E+00	1.11E+00	1.83E+00	pCi/g	1/24/2014	523.36	60				08	PB-210	
14-01113-08	TRG	FEEBRIS 15-2.043-044	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-212	LANL ER-130 Modified	1.59E+00	2.06E-01	2.21E-01	2.24E-01	pCi/g	1/24/2014	523.36	60				08	PB-212	
14-01113-08	TRG	FEEBRIS 15-2.043-044	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-214	LANL ER-130 Modified	1.35E+00	1.61E-01	1.76E-01	2.35E-01	pCi/g	1/24/2014	523.36	60				08	PB-214	
14-01113-08	TRG	FEEBRIS 15-2.043-044	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Thallium-208	LANL ER-130 Modified	1.17E+00	1.83E-01	1.92E-01	1.41E-01	pCi/g	1/24/2014	523.36	60				08	TL-208	
14-01113-09	TRG	FEEBRIS 15-2.024-025	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Actinium-228	LANL ER-130 Modified	1.48E+00	2.82E-01	2.92E-01	6.02E-01	pCi/g	1/24/2014	543.21	60				09	AC-228	
14-01113-09	TRG	FEEBRIS 15-2.024-025	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Bismuth-214	LANL ER-130 Modified	4.78E+00	4.42E-01	5.05E-01	3.09E-01	pCi/g	1/24/2014	543.21	60				09	BI-214	
14-01113-09	TRG	FEEBRIS 15-2.024-025	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Potassium-40	LANL ER-130 Modified	1.86E+01	2.52E+00	2.70E+00	1.20E+00	pCi/g	1/24/2014	543.21	60				09	K-40	
14-01113-09	TRG	FEEBRIS 15-2.024-025	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Protactinium-231	LANL ER-130 Modified	5.59E+00	2.68E+00	2.69E+00	4.25E+00	pCi/g	1/24/2014	543.21	60				09	PA-231	
14-01113-09	TRG	FEEBRIS 15-2.024-025	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-210	LANL ER-130 Modified	4.69E+00	2.08E+00	2.09E+00	3.30E+00	pCi/g	1/24/2014	543.21	60				09	PB-210	
14-01113-09	TRG	FEEBRIS 15-2.024-025	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-212	LANL ER-130 Modified	1.40E+00	1.91E-01	2.04E-01	3.33E-01	pCi/g	1/24/2014	543.21	60				09	PB-212	
14-01113-09	TRG	FEEBRIS 15-2.024-025	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-214	LANL ER-130 Modified	5.35E+00	4.34E-01	5.14E-01	3.27E-01	pCi/g	1/24/2014	543.21	60				09	PB-214	
14-01113-09	TRG	FEEBRIS 15-2.024-025	01/20/14 00:00	1/23/2014	2/24/2014	14-01113	Thallium-208	LANL ER-130 Modified	1.28E+00	2.97E-01	3.05E-01	5.12E-01	pCi/g	1/24/2014	543.21	60				09	TL-208	
14-01113-10	TRG	FEEBRIS 16-3.006-007	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Actinium-228	LANL ER-130 Modified	1.61E+00	3.08E-01	3.19E-01	4.58E-01	pCi/g	1/24/2014	527.17	120				10	AC-228	
14-01113-10	TRG	FEEBRIS 16-3.006-007	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Bismuth-214	LANL ER-130 Modified	1.36E+00	2.27E-01	2.38E-01	2.83E-01	pCi/g	1/24/2014	527.17	120				10	BI-214	
14-01113-10	TRG	FEEBRIS 16-3.006-007	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Potassium-40	LANL ER-130 Modified	1.97E+01	2.71E+00	2.89E+00	1.55E+00	pCi/g	1/24/2014	527.17	120				10	K-40	
14-01113-10	TRG	FEEBRIS 16-3.006-007	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Protactinium-231	LANL ER-130 Modified	-1.79E+00	2.00E+00	2.00E+00	3.75E+00	pCi/g	1/24/2014	527.17	120				10	PA-231	
14-01113-10	TRG	FEEBRIS 16-3.006-007	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-210	LANL ER-130 Modified	1.52E+00	1.24E+00	1.24E+00	2.05E+00	pCi/g	1/24/2014	527.17	120				10	PB-210	
14-01113-10	TRG	FEEBRIS 16-3.006-007	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-212	LANL ER-130 Modified	1.60E+00	2.71E-01	2.83E-01	2.93E-01	pCi/g	1/24/2014	527.17	120				10	PB-212	
14-01113-10	TRG	FEEBRIS 16-3.006-007	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-214	LANL ER-130 Modified	1.37E+00	2.23E-01	2.34E-01	3.04E-01	pCi/g	1/24/2014	527.17	120				10	PB-214	
14-01113-10	TRG	FEEBRIS 16-3.006-007	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Thallium-208	LANL ER-130 Modified	1.50E+00	2.80E-01	2.90E-01	3.89E-01	pCi/g	1/24/2014	527.17	120				10	TL-208	

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Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-01113-11	TRG	FEEBRIS 16-3.011-012	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Actinium-228	LANL ER-130 Modified	1.67E+00	2.18E-01	2.34E-01	3.42E-01	pCi/g	1/24/2014	543.17	60				11	AC-228	
14-01113-11	TRG	FEEBRIS 16-3.011-012	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Bismuth-214	LANL ER-130 Modified	1.17E+00	1.78E-01	1.88E-01	2.14E-01	pCi/g	1/24/2014	543.17	60				11	BI-214	
14-01113-11	TRG	FEEBRIS 16-3.011-012	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Potassium-40	LANL ER-130 Modified	2.32E+01	2.60E+00	2.86E+00	8.24E-01	pCi/g	1/24/2014	543.17	60				11	K-40	
14-01113-11	TRG	FEEBRIS 16-3.011-012	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Protactinium-231	LANL ER-130 Modified	-2.12E-01	1.40E+00	1.40E+00	2.25E+00	pCi/g	1/24/2014	543.17	60				11	PA-231	
14-01113-11	TRG	FEEBRIS 16-3.011-012	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-210	LANL ER-130 Modified	1.13E+00	1.14E+00	1.14E+00	1.90E+00	pCi/g	1/24/2014	543.17	60				11	PB-210	
14-01113-11	TRG	FEEBRIS 16-3.011-012	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-212	LANL ER-130 Modified	1.63E+00	1.77E-01	1.95E-01	2.13E-01	pCi/g	1/24/2014	543.17	60				11	PB-212	
14-01113-11	TRG	FEEBRIS 16-3.011-012	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-214	LANL ER-130 Modified	1.18E+00	1.71E-01	1.82E-01	2.28E-01	pCi/g	1/24/2014	543.17	60				11	PB-214	
14-01113-11	TRG	FEEBRIS 16-3.011-012	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Thallium-208	LANL ER-130 Modified	1.28E+00	1.85E-01	1.96E-01	1.07E-01	pCi/g	1/24/2014	543.17	60				11	TL-208	
14-01113-12	TRG	FEEBRIS 16-3.011-012D	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Actinium-228	LANL ER-130 Modified	1.25E+00	2.50E-01	2.58E-01	4.26E-01	pCi/g	1/24/2014	497.65	60				12	AC-228	
14-01113-12	TRG	FEEBRIS 16-3.011-012D	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Bismuth-214	LANL ER-130 Modified	1.27E+00	1.83E-01	1.94E-01	2.05E-01	pCi/g	1/24/2014	497.65	60				12	BI-214	
14-01113-12	TRG	FEEBRIS 16-3.011-012D	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Potassium-40	LANL ER-130 Modified	2.27E+01	2.71E+00	2.95E+00	9.62E-01	pCi/g	1/24/2014	497.65	60				12	K-40	
14-01113-12	TRG	FEEBRIS 16-3.011-012D	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Protactinium-231	LANL ER-130 Modified	7.57E-01	8.01E-01	8.02E-01	2.51E+00	pCi/g	1/24/2014	497.65	60				12	PA-231	
14-01113-12	TRG	FEEBRIS 16-3.011-012D	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-210	LANL ER-130 Modified	1.03E+00	1.36E+00	1.36E+00	1.80E+00	pCi/g	1/24/2014	497.65	60				12	PB-210	
14-01113-12	TRG	FEEBRIS 16-3.011-012D	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-212	LANL ER-130 Modified	1.58E+00	1.80E-01	1.98E-01	2.26E-01	pCi/g	1/24/2014	497.65	60				12	PB-212	
14-01113-12	TRG	FEEBRIS 16-3.011-012D	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-214	LANL ER-130 Modified	1.33E+00	1.71E-01	1.85E-01	2.86E-01	pCi/g	1/24/2014	497.65	60				12	PB-214	
14-01113-12	TRG	FEEBRIS 16-3.011-012D	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Thallium-208	LANL ER-130 Modified	1.35E+00	2.02E-01	2.14E-01	1.48E-01	pCi/g	1/24/2014	497.65	60				12	TL-208	
14-01113-13	TRG	FEEBRIS 16-6.006-007	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Actinium-228	LANL ER-130 Modified	1.41E+00	2.50E-01	2.61E-01	3.71E-01	pCi/g	1/24/2014	556.93	60				13	AC-228	
14-01113-13	TRG	FEEBRIS 16-6.006-007	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Bismuth-214	LANL ER-130 Modified	1.36E+00	1.95E-01	2.07E-01	2.39E-01	pCi/g	1/24/2014	556.93	60				13	BI-214	
14-01113-13	TRG	FEEBRIS 16-6.006-007	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Potassium-40	LANL ER-130 Modified	2.17E+01	2.74E+00	2.96E+00	7.23E-01	pCi/g	1/24/2014	556.93	60				13	K-40	
14-01113-13	TRG	FEEBRIS 16-6.006-007	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Protactinium-231	LANL ER-130 Modified	7.65E-01	2.09E+00	2.09E+00	3.04E+00	pCi/g	1/24/2014	556.93	60				13	PA-231	
14-01113-13	TRG	FEEBRIS 16-6.006-007	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-210	LANL ER-130 Modified	1.30E+00	1.49E+00	1.49E+00	2.49E+00	pCi/g	1/24/2014	556.93	60				13	PB-210	
14-01113-13	TRG	FEEBRIS 16-6.006-007	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-212	LANL ER-130 Modified	1.53E+00	1.82E-01	1.98E-01	2.14E-01	pCi/g	1/24/2014	556.93	60				13	PB-212	
14-01113-13	TRG	FEEBRIS 16-6.006-007	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-214	LANL ER-130 Modified	1.46E+00	1.80E-01	1.95E-01	2.69E-01	pCi/g	1/24/2014	556.93	60				13	PB-214	
14-01113-13	TRG	FEEBRIS 16-6.006-007	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Thallium-208	LANL ER-130 Modified	1.44E+00	2.85E-01	2.95E-01	4.96E-01	pCi/g	1/24/2014	556.93	60				13	TL-208	

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:														
			Dan Feezor					SDG:	14-01113 REVISED													
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1													
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL													
			Chatham, IL 62629					Sample Matrix:	SO													
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-01113-14	TRG	FEEBRIS 16-6.021-022	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Actinium-228	LANL ER-130 Modified	1.26E+00	1.99E-01	2.10E-01	3.70E-01	pCi/g	1/24/2014	588.52	60				14	AC-228	
14-01113-14	TRG	FEEBRIS 16-6.021-022	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Bismuth-214	LANL ER-130 Modified	9.33E-01	1.43E-01	1.51E-01	4.88E-02	pCi/g	1/24/2014	588.52	60				14	BI-214	
14-01113-14	TRG	FEEBRIS 16-6.021-022	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Potassium-40	LANL ER-130 Modified	1.73E+01	2.07E+00	2.25E+00	9.52E-01	pCi/g	1/24/2014	588.52	60				14	K-40	
14-01113-14	TRG	FEEBRIS 16-6.021-022	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Protactinium-231	LANL ER-130 Modified	1.11E-01	1.25E+00	1.25E+00	1.99E+00	pCi/g	1/24/2014	588.52	60				14	PA-231	
14-01113-14	TRG	FEEBRIS 16-6.021-022	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-210	LANL ER-130 Modified	1.00E+00	9.76E-01	9.78E-01	1.34E+00	pCi/g	1/24/2014	588.52	60				14	PB-210	
14-01113-14	TRG	FEEBRIS 16-6.021-022	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-212	LANL ER-130 Modified	1.27E+00	1.43E-01	1.57E-01	1.96E-01	pCi/g	1/24/2014	588.52	60				14	PB-212	
14-01113-14	TRG	FEEBRIS 16-6.021-022	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-214	LANL ER-130 Modified	1.14E+00	1.34E-01	1.46E-01	2.25E-01	pCi/g	1/24/2014	588.52	60				14	PB-214	
14-01113-14	TRG	FEEBRIS 16-6.021-022	01/19/14 00:00	1/23/2014	2/24/2014	14-01113	Thallium-208	LANL ER-130 Modified	9.73E-01	1.56E-01	1.64E-01	1.40E-01	pCi/g	1/24/2014	588.52	60				14	TL-208	
14-01113-15	TRG	FEEBRIS 12-5.002-003	01/18/14 00:00	1/23/2014	2/24/2014	14-01113	Actinium-228	LANL ER-130 Modified	8.75E-01	1.67E-01	1.73E-01	2.94E-01	pCi/g	1/24/2014	588.55	60				15	AC-228	
14-01113-15	TRG	FEEBRIS 12-5.002-003	01/18/14 00:00	1/23/2014	2/24/2014	14-01113	Bismuth-214	LANL ER-130 Modified	1.22E+00	1.52E-01	1.64E-01	1.53E-01	pCi/g	1/24/2014	588.55	60				15	BI-214	
14-01113-15	TRG	FEEBRIS 12-5.002-003	01/18/14 00:00	1/23/2014	2/24/2014	14-01113	Potassium-40	LANL ER-130 Modified	1.50E+01	1.90E+00	2.05E+00	8.27E-01	pCi/g	1/24/2014	588.55	60				15	K-40	
14-01113-15	TRG	FEEBRIS 12-5.002-003	01/18/14 00:00	1/23/2014	2/24/2014	14-01113	Protactinium-231	LANL ER-130 Modified	-1.43E+00	1.33E+00	1.33E+00	2.00E+00	pCi/g	1/24/2014	588.55	60				15	PA-231	
14-01113-15	TRG	FEEBRIS 12-5.002-003	01/18/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-210	LANL ER-130 Modified	2.22E+00	9.69E-01	9.76E-01	1.41E+00	pCi/g	1/24/2014	588.55	60				15	PB-210	
14-01113-15	TRG	FEEBRIS 12-5.002-003	01/18/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-212	LANL ER-130 Modified	9.72E-01	1.24E-01	1.33E-01	2.04E-01	pCi/g	1/24/2014	588.55	60				15	PB-212	
14-01113-15	TRG	FEEBRIS 12-5.002-003	01/18/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-214	LANL ER-130 Modified	1.26E+00	1.49E-01	1.63E-01	2.27E-01	pCi/g	1/24/2014	588.55	60				15	PB-214	
14-01113-15	TRG	FEEBRIS 12-5.002-003	01/18/14 00:00	1/23/2014	2/24/2014	14-01113	Thallium-208	LANL ER-130 Modified	8.33E-01	1.44E-01	1.50E-01	1.25E-01	pCi/g	1/24/2014	588.55	60				15	TL-208	
14-01113-16	TRG	FEEBRIS 12-5.012-013	01/18/14 00:00	1/23/2014	2/24/2014	14-01113	Actinium-228	LANL ER-130 Modified	1.10E+00	2.31E-01	2.37E-01	3.36E-01	pCi/g	1/24/2014	558.68	60				16	AC-228	
14-01113-16	TRG	FEEBRIS 12-5.012-013	01/18/14 00:00	1/23/2014	2/24/2014	14-01113	Bismuth-214	LANL ER-130 Modified	1.15E+00	1.82E-01	1.91E-01	2.05E-01	pCi/g	1/24/2014	558.68	60				16	BI-214	
14-01113-16	TRG	FEEBRIS 12-5.012-013	01/18/14 00:00	1/23/2014	2/24/2014	14-01113	Potassium-40	LANL ER-130 Modified	1.63E+01	2.22E+00	2.37E+00	7.38E-01	pCi/g	1/24/2014	558.68	60				16	K-40	
14-01113-16	TRG	FEEBRIS 12-5.012-013	01/18/14 00:00	1/23/2014	2/24/2014	14-01113	Protactinium-231	LANL ER-130 Modified	3.10E-02	6.69E-01	6.69E-01	2.77E+00	pCi/g	1/24/2014	558.68	60				16	PA-231	
14-01113-16	TRG	FEEBRIS 12-5.012-013	01/18/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-210	LANL ER-130 Modified	2.15E+00	1.54E+00	1.54E+00	2.52E+00	pCi/g	1/24/2014	558.68	60				16	PB-210	
14-01113-16	TRG	FEEBRIS 12-5.012-013	01/18/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-212	LANL ER-130 Modified	1.13E+00	1.48E-01	1.59E-01	2.16E-01	pCi/g	1/24/2014	558.68	60				16	PB-212	
14-01113-16	TRG	FEEBRIS 12-5.012-013	01/18/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-214	LANL ER-130 Modified	1.15E+00	1.67E-01	1.77E-01	2.32E-01	pCi/g	1/24/2014	558.68	60				16	PB-214	
14-01113-16	TRG	FEEBRIS 12-5.012-013	01/18/14 00:00	1/23/2014	2/24/2014	14-01113	Thallium-208	LANL ER-130 Modified	1.09E+00	2.46E-01	2.52E-01	2.88E-01	pCi/g	1/24/2014	558.68	60				16	TL-208	

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:														
			Dan Feezor Feezor Engineering, Inc. 406 East Walnut Street Chatham, IL 62629					SDG:		14-01113 REVISED												
								Purchase Order:		BT-026-PO1												
								Analysis Category:		ENVIRONMENTAL												
					Sample Matrix:		SO															
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-01113-17	TRG	FEEBRIS 14-2.019-020	01/17/14 00:00	1/23/2014	2/24/2014	14-01113	Actinium-228	LANL ER-130 Modified	1.33E+00	2.04E-01	2.15E-01	3.98E-01	pCi/g	1/24/2014	553.85	60				17	AC-228	
14-01113-17	TRG	FEEBRIS 14-2.019-020	01/17/14 00:00	1/23/2014	2/24/2014	14-01113	Bismuth-214	LANL ER-130 Modified	1.31E+00	1.71E-01	1.84E-01	1.96E-01	pCi/g	1/24/2014	553.85	60				17	BI-214	
14-01113-17	TRG	FEEBRIS 14-2.019-020	01/17/14 00:00	1/23/2014	2/24/2014	14-01113	Potassium-40	LANL ER-130 Modified	1.96E+01	2.34E+00	2.55E+00	1.16E+00	pCi/g	1/24/2014	553.85	60				17	K-40	
14-01113-17	TRG	FEEBRIS 14-2.019-020	01/17/14 00:00	1/23/2014	2/24/2014	14-01113	Protactinium-231	LANL ER-130 Modified	1.03E-01	6.65E-01	6.65E-01	2.18E+00	pCi/g	1/24/2014	553.85	60				17	PA-231	
14-01113-17	TRG	FEEBRIS 14-2.019-020	01/17/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-210	LANL ER-130 Modified	1.60E+00	1.26E+00	1.26E+00	2.09E+00	pCi/g	1/24/2014	553.85	60				17	PB-210	
14-01113-17	TRG	FEEBRIS 14-2.019-020	01/17/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-212	LANL ER-130 Modified	1.09E+00	1.37E-01	1.48E-01	2.20E-01	pCi/g	1/24/2014	553.85	60				17	PB-212	
14-01113-17	TRG	FEEBRIS 14-2.019-020	01/17/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-214	LANL ER-130 Modified	1.50E+00	1.65E-01	1.82E-01	2.29E-01	pCi/g	1/24/2014	553.85	60				17	PB-214	
14-01113-17	TRG	FEEBRIS 14-2.019-020	01/17/14 00:00	1/23/2014	2/24/2014	14-01113	Thallium-208	LANL ER-130 Modified	1.07E+00	1.76E-01	1.85E-01	2.10E-01	pCi/g	1/24/2014	553.85	60				17	TL-208	
14-01113-18	TRG	FEEBRIS 14-2.029-031	01/17/14 00:00	1/23/2014	2/24/2014	14-01113	Actinium-228	LANL ER-130 Modified	1.14E+00	2.01E-01	2.09E-01	3.09E-01	pCi/g	1/24/2014	550.47	60				18	AC-228	
14-01113-18	TRG	FEEBRIS 14-2.029-031	01/17/14 00:00	1/23/2014	2/24/2014	14-01113	Bismuth-214	LANL ER-130 Modified	1.19E+00	1.78E-01	1.89E-01	2.35E-01	pCi/g	1/24/2014	550.47	60				18	BI-214	
14-01113-18	TRG	FEEBRIS 14-2.029-031	01/17/14 00:00	1/23/2014	2/24/2014	14-01113	Potassium-40	LANL ER-130 Modified	1.99E+01	2.42E+00	2.63E+00	1.12E+00	pCi/g	1/24/2014	550.47	60				18	K-40	
14-01113-18	TRG	FEEBRIS 14-2.029-031	01/17/14 00:00	1/23/2014	2/24/2014	14-01113	Protactinium-231	LANL ER-130 Modified	-2.58E-01	1.41E+00	1.41E+00	2.26E+00	pCi/g	1/24/2014	550.47	60				18	PA-231	
14-01113-18	TRG	FEEBRIS 14-2.029-031	01/17/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-210	LANL ER-130 Modified	1.71E+00	1.26E+00	1.26E+00	2.07E+00	pCi/g	1/24/2014	550.47	60				18	PB-210	
14-01113-18	TRG	FEEBRIS 14-2.029-031	01/17/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-212	LANL ER-130 Modified	1.38E+00	1.60E-01	1.75E-01	2.04E-01	pCi/g	1/24/2014	550.47	60				18	PB-212	
14-01113-18	TRG	FEEBRIS 14-2.029-031	01/17/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-214	LANL ER-130 Modified	1.34E+00	1.58E-01	1.72E-01	2.24E-01	pCi/g	1/24/2014	550.47	60				18	PB-214	
14-01113-18	TRG	FEEBRIS 14-2.029-031	01/17/14 00:00	1/23/2014	2/24/2014	14-01113	Thallium-208	LANL ER-130 Modified	1.00E+00	1.69E-01	1.77E-01	1.99E-01	pCi/g	1/24/2014	550.47	60				18	TL-208	
14-01113-19	TRG	FEEBRIS 13-3.019-020	01/15/14 00:00	1/23/2014	2/24/2014	14-01113	Actinium-228	LANL ER-130 Modified	1.39E+00	3.50E-01	3.58E-01	5.63E-01	pCi/g	1/24/2014	500.35	60				19	AC-228	
14-01113-19	TRG	FEEBRIS 13-3.019-020	01/15/14 00:00	1/23/2014	2/24/2014	14-01113	Bismuth-214	LANL ER-130 Modified	1.50E+00	2.22E-01	2.35E-01	2.96E-01	pCi/g	1/24/2014	500.35	60				19	BI-214	
14-01113-19	TRG	FEEBRIS 13-3.019-020	01/15/14 00:00	1/23/2014	2/24/2014	14-01113	Potassium-40	LANL ER-130 Modified	2.42E+01	3.19E+00	3.42E+00	1.63E+00	pCi/g	1/24/2014	500.35	60				19	K-40	
14-01113-19	TRG	FEEBRIS 13-3.019-020	01/15/14 00:00	1/23/2014	2/24/2014	14-01113	Protactinium-231	LANL ER-130 Modified	4.80E-01	8.32E-01	8.32E-01	3.50E+00	pCi/g	1/24/2014	500.35	60				19	PA-231	
14-01113-19	TRG	FEEBRIS 13-3.019-020	01/15/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-210	LANL ER-130 Modified	2.24E+00	1.29E+00	1.29E+00	2.17E+00	pCi/g	1/24/2014	500.35	60				19	PB-210	
14-01113-19	TRG	FEEBRIS 13-3.019-020	01/15/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-212	LANL ER-130 Modified	1.47E+00	1.84E-01	1.99E-01	2.96E-01	pCi/g	1/24/2014	500.35	60				19	PB-212	
14-01113-19	TRG	FEEBRIS 13-3.019-020	01/15/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-214	LANL ER-130 Modified	1.44E+00	1.92E-01	2.05E-01	2.30E-01	pCi/g	1/24/2014	500.35	60				19	PB-214	
14-01113-19	TRG	FEEBRIS 13-3.019-020	01/15/14 00:00	1/23/2014	2/24/2014	14-01113	Thallium-208	LANL ER-130 Modified	9.37E-01	2.10E-01	2.15E-01	3.31E-01	pCi/g	1/24/2014	500.35	60				19	TL-208	

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:														
			Dan Feezor					SDG:	14-01113 REVISED													
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			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL													
			Chatham, IL 62629					Sample Matrix:	SO													
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-01113-20	TRG	FEEBRIS 13-3.029-030	01/15/14 00:00	1/23/2014	2/24/2014	14-01113	Actinium-228	LANL ER-130 Modified	7.27E-01	3.68E-01	3.70E-01	6.76E-01	pCi/g	1/24/2014	259.44	120				20	AC-228	
14-01113-20	TRG	FEEBRIS 13-3.029-030	01/15/14 00:00	1/23/2014	2/24/2014	14-01113	Bismuth-214	LANL ER-130 Modified	3.87E-01	3.09E-01	3.10E-01	5.03E-01	pCi/g	1/24/2014	259.44	120				20	BI-214	
14-01113-20	TRG	FEEBRIS 13-3.029-030	01/15/14 00:00	1/23/2014	2/24/2014	14-01113	Potassium-40	LANL ER-130 Modified	8.06E+00	1.89E+00	1.94E+00	1.50E+00	pCi/g	1/24/2014	259.44	120				20	K-40	
14-01113-20	TRG	FEEBRIS 13-3.029-030	01/15/14 00:00	1/23/2014	2/24/2014	14-01113	Protactinium-231	LANL ER-130 Modified	7.81E-01	3.04E+00	3.04E+00	4.75E+00	pCi/g	1/24/2014	259.44	120				20	PA-231	
14-01113-20	TRG	FEEBRIS 13-3.029-030	01/15/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-210	LANL ER-130 Modified	1.81E+00	1.27E+00	1.27E+00	2.00E+00	pCi/g	1/24/2014	259.44	120				20	PB-210	
14-01113-20	TRG	FEEBRIS 13-3.029-030	01/15/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-212	LANL ER-130 Modified	5.75E-01	1.70E-01	1.73E-01	4.24E-01	pCi/g	1/24/2014	259.44	120				20	PB-212	
14-01113-20	TRG	FEEBRIS 13-3.029-030	01/15/14 00:00	1/23/2014	2/24/2014	14-01113	Lead-214	LANL ER-130 Modified	3.68E-01	1.88E-01	1.89E-01	3.27E-01	pCi/g	1/24/2014	259.44	120				20	PB-214	
14-01113-20	TRG	FEEBRIS 13-3.029-030	01/15/14 00:00	1/23/2014	2/24/2014	14-01113	Thallium-208	LANL ER-130 Modified	9.51E-01	3.11E-01	3.15E-01	1.14E-01	pCi/g	1/24/2014	259.44	120				20	TL-208	
14-01113-02	MBL	BLANK	01/23/14 00:00	1/23/2014	2/4/2014	14-01113	Actinium-227	EML Th-01 Modified	5.50E-02	7.59E-02	7.62E-02	1.24E-01	pCi/g	1/30/2014	1	170.02	3.62		18.5	02	TH-227	
14-01113-03	DUP	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/4/2014	14-01113	Actinium-227	EML Th-01 Modified	7.53E-02	8.47E-02	8.52E-02	1.26E-01	pCi/g	1/30/2014	1.0122	170.02	4.79		19.2	03	TH-227	
14-01113-04	DO	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/4/2014	14-01113	Actinium-227	EML Th-01 Modified	2.11E-01	1.24E-01	1.27E-01	9.62E-02	pCi/g	1/30/2014	1.0241	170.02	13.1		20.1	04	TH-227	
14-01113-05	TRG	FEEBRIS 14-4.028-029	01/20/14 00:00	1/23/2014	2/4/2014	14-01113	Actinium-227	EML Th-01 Modified	1.65E-01	1.10E-01	1.11E-01	1.12E-01	pCi/g	1/30/2014	0.999	170.02	11.1		19.3	05	TH-227	
14-01113-06	TRG	FEEBRIS 14-7.013-014	01/20/14 00:00	1/23/2014	2/4/2014	14-01113	Actinium-227	EML Th-01 Modified	1.13E-01	1.17E-01	1.17E-01	1.65E-01	pCi/g	1/30/2014	1.0148	170.02	5.62		18.6	06	TH-227	
14-01113-07	TRG	FEEBRIS 14-7.039-040	01/20/14 00:00	1/23/2014	2/4/2014	14-01113	Actinium-227	EML Th-01 Modified	8.79E-02	1.11E-01	1.11E-01	1.77E-01	pCi/g	1/30/2014	1.0029	170.02	4.6		18.3	07	TH-227	
14-01113-08	TRG	FEEBRIS 15-2.043-044	01/20/14 00:00	1/23/2014	2/4/2014	14-01113	Actinium-227	EML Th-01 Modified	1.50E-01	1.12E-01	1.14E-01	9.34E-02	pCi/g	1/30/2014	1.0271	170.02	7.66		14.3	08	TH-227	
14-01113-09	TRG	FEEBRIS 15-2.024-025	01/20/14 00:00	1/23/2014	2/4/2014	14-01113	Actinium-227	EML Th-01 Modified	9.40E-01	2.77E-01	3.01E-01	1.22E-01	pCi/g	1/30/2014	1.0001	170	66.3		16.8	09	TH-227	
14-01113-10	TRG	FEEBRIS 16-3.006-007	01/19/14 00:00	1/23/2014	2/4/2014	14-01113	Actinium-227	EML Th-01 Modified	8.62E-02	9.36E-02	9.42E-02	1.35E-01	pCi/g	1/30/2014	1.0097	170	4.96		17.7	10	TH-227	
14-01113-11	TRG	FEEBRIS 16-3.011-012	01/19/14 00:00	1/23/2014	2/4/2014	14-01113	Actinium-227	EML Th-01 Modified	8.41E-02	8.67E-02	8.73E-02	1.15E-01	pCi/g	1/30/2014	1.0216	170	4.81		18.8	11	TH-227	
14-01113-12	TRG	FEEBRIS 16-3.011-012D	01/19/14 00:00	1/23/2014	2/4/2014	14-01113	Actinium-227	EML Th-01 Modified	1.53E-01	1.21E-01	1.22E-01	1.18E-01	pCi/g	1/30/2014	1.0002	170	7.32		13.9	12	TH-227	
14-01113-13	TRG	FEEBRIS 16-6.006-007	01/19/14 00:00	1/23/2014	2/4/2014	14-01113	Actinium-227	EML Th-01 Modified	1.56E-01	1.02E-01	1.04E-01	8.50E-02	pCi/g	1/30/2014	1.0074	170	10.3		17.5	13	TH-227	
14-01113-14	TRG	FEEBRIS 16-6.021-022	01/19/14 00:00	1/23/2014	2/4/2014	14-01113	Actinium-227	EML Th-01 Modified	3.69E-01	1.64E-01	1.70E-01	9.71E-02	pCi/g	1/30/2014	0.9995	170	24		16.4	14	TH-227	
14-01113-15	TRG	FEEBRIS 12-5.002-003	01/18/14 00:00	1/23/2014	2/4/2014	14-01113	Actinium-227	EML Th-01 Modified	1.56E-01	9.42E-02	9.61E-02	7.67E-02	pCi/g	1/30/2014	0.9993	170	12.1		17.3	15	TH-227	
14-01113-16	TRG	FEEBRIS 12-5.012-013	01/18/14 00:00	1/23/2014	2/4/2014	14-01113	Actinium-227	EML Th-01 Modified	1.45E-01	1.02E-01	1.03E-01	7.98E-02	pCi/g	1/30/2014	1.0097	170	8.66		15.9	16	TH-227	
14-01113-17	TRG	FEEBRIS 14-2.019-020	01/17/14 00:00	1/23/2014	2/4/2014	14-01113	Actinium-227	EML Th-01 Modified	2.34E-01	1.25E-01	1.28E-01	7.92E-02	pCi/g	1/30/2014	1.001	170	15.5		18.5	17	TH-227	
14-01113-18	TRG	FEEBRIS 14-2.029-031	01/17/14 00:00	1/23/2014	2/4/2014	14-01113	Actinium-227	EML Th-01 Modified	8.57E-02	7.88E-02	7.96E-02	9.71E-02	pCi/g	1/30/2014	1.0197	170	5.81		18.2	18	TH-227	
14-01113-19	TRG	FEEBRIS 13-3.019-020	01/15/14 00:00	1/23/2014	2/4/2014	14-01113	Actinium-227	EML Th-01 Modified	1.02E-01	8.61E-02	8.70E-02	9.09E-02	pCi/g	1/30/2014	0.9978	170	6.32		16.9	19	TH-227	
14-01113-20	TRG	FEEBRIS 13-3.029-030	01/15/14 00:00	1/23/2014	2/4/2014	14-01113	Actinium-227	EML Th-01 Modified	1.51E-01	1.00E-01	1.02E-01	1.03E-01	pCi/g	1/30/2014	1.0128	170	11.1		18.7	20	TH-227	

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									Purchase Order:		BT-026-PO1												
									Analysis Category:		ENVIRONMENTAL												
						Sample Matrix:		SO															
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	
14-01113-01	LCS	KNOWN	01/23/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-230	EML Th-01 Modified	5.40E+00	1.46E-01			pCi/g	1/30/2014	1	170.02	422		17.4	01	TH-230	5.40E+00	
14-01113-01	LCS	SPIKE	01/23/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-230	EML Th-01 Modified	6.08E+00	9.54E-01	1.21E+00	6.89E-02	pCi/g	1/30/2014	1	170.02	422		17.4	01	TH-230	5.40E+00	
14-01113-02	MBL	BLANK	01/23/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-230	EML Th-01 Modified	1.25E-01	1.01E-01	1.02E-01	1.24E-01	pCi/g	1/30/2014	1	170.02	8.45		18.5	02	TH-230		
14-01113-03	DUP	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-230	EML Th-01 Modified	8.89E-01	2.79E-01	3.00E-01	1.20E-01	pCi/g	1/30/2014	1.0122	170.02	58		19.2	03	TH-230		
14-01113-04	DO	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-230	EML Th-01 Modified	1.29E+00	3.59E-01	3.93E-01	8.23E-02	pCi/g	1/30/2014	1.0241	170.02	82.5		20.1	04	TH-230		
14-01113-05	TRG	FEEBRIS 14-4.028-029	01/20/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-230	EML Th-01 Modified	2.08E+00	4.85E-01	5.49E-01	8.67E-02	pCi/g	1/30/2014	0.999	170.02	144		19.3	05	TH-230		
14-01113-06	TRG	FEEBRIS 14-7.013-014	01/20/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-230	EML Th-01 Modified	1.54E+00	4.55E-01	4.93E-01	1.44E-01	pCi/g	1/30/2014	1.0148	170.02	78.3		18.6	06	TH-230		
14-01113-07	TRG	FEEBRIS 14-7.039-040	01/20/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-230	EML Th-01 Modified	1.80E+00	4.94E-01	5.41E-01	1.37E-01	pCi/g	1/30/2014	1.0029	170.02	96.3		18.3	07	TH-230		
14-01113-08	TRG	FEEBRIS 15-2.043-044	01/20/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-230	EML Th-01 Modified	1.36E+00	4.08E-01	4.42E-01	1.07E-01	pCi/g	1/30/2014	1.0271	170.02	71.3		14.3	08	TH-230		
14-01113-09	TRG	FEEBRIS 15-2.024-025	01/20/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-230	EML Th-01 Modified	1.16E+02	1.90E+01	2.38E+01	8.71E-02	pCi/g	1/30/2014	1.0001	170	8360		16.8	09	TH-230		
14-01113-10	TRG	FEEBRIS 16-3.006-007	01/19/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-230	EML Th-01 Modified	1.86E+00	4.83E-01	5.35E-01	1.12E-01	pCi/g	1/30/2014	1.0097	170	110		17.7	10	TH-230		
14-01113-11	TRG	FEEBRIS 16-3.011-012	01/19/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-230	EML Th-01 Modified	1.77E+00	4.67E-01	5.15E-01	8.95E-02	pCi/g	1/30/2014	1.0216	170	103		18.8	11	TH-230		
14-01113-12	TRG	FEEBRIS 16-3.011-012D	01/19/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-230	EML Th-01 Modified	1.86E+00	5.26E-01	5.74E-01	1.35E-01	pCi/g	1/30/2014	1.0002	170	90.8		13.9	12	TH-230		
14-01113-13	TRG	FEEBRIS 16-6.006-007	01/19/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-230	EML Th-01 Modified	1.67E+00	4.16E-01	4.65E-01	6.14E-02	pCi/g	1/30/2014	1.0074	170	114		17.5	13	TH-230		
14-01113-14	TRG	FEEBRIS 16-6.021-022	01/19/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-230	EML Th-01 Modified	1.41E+00	3.73E-01	4.12E-01	9.01E-02	pCi/g	1/30/2014	0.9995	170	94		16.4	14	TH-230		
14-01113-15	TRG	FEEBRIS 12-5.002-003	01/18/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-230	EML Th-01 Modified	1.27E+00	3.16E-01	3.53E-01	6.56E-02	pCi/g	1/30/2014	0.9993	170	101		17.3	15	TH-230		
14-01113-16	TRG	FEEBRIS 12-5.012-013	01/18/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-230	EML Th-01 Modified	1.72E+00	4.46E-01	4.94E-01	7.78E-02	pCi/g	1/30/2014	1.0097	170	106		15.9	16	TH-230		
14-01113-17	TRG	FEEBRIS 14-2.019-020	01/17/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-230	EML Th-01 Modified	2.76E+00	6.10E-01	6.99E-01	7.04E-02	pCi/g	1/30/2014	1.001	170	188		18.5	17	TH-230		
14-01113-18	TRG	FEEBRIS 14-2.029-031	01/17/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-230	EML Th-01 Modified	1.52E+00	3.85E-01	4.28E-01	6.87E-02	pCi/g	1/30/2014	1.0197	170	106		18.2	18	TH-230		
14-01113-19	TRG	FEEBRIS 13-3.019-020	01/15/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-230	EML Th-01 Modified	3.41E+00	7.41E-01	8.52E-01	6.56E-02	pCi/g	1/30/2014	0.9978	170	217		16.9	19	TH-230		
14-01113-20	TRG	FEEBRIS 13-3.029-030	01/15/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-230	EML Th-01 Modified	7.91E-01	2.38E-01	2.57E-01	5.52E-02	pCi/g	1/30/2014	1.0128	170	59.8		18.7	20	TH-230		

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Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	
14-01113-01	LCS	KNOWN	01/23/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-232	EML Th-01 Modified	4.72E+00	1.70E-01			pCi/g	1/30/2014	1	170.02	348		17.4	01	TH-232	4.72E+00	
14-01113-01	LCS	SPIKE	01/23/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-232	EML Th-01 Modified	5.01E+00	8.16E-01	9.27E-01	6.01E-02	pCi/g	1/30/2014	1	170.02	348		17.4	01	TH-232	4.72E+00	
14-01113-02	MBL	BLANK	01/23/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-232	EML Th-01 Modified	5.67E-02	5.90E-02	5.92E-02	6.18E-02	pCi/g	1/30/2014	1	170.02	3.83		18.5	02	TH-232		
14-01113-03	DUP	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-232	EML Th-01 Modified	8.37E-01	2.67E-01	2.77E-01	1.05E-01	pCi/g	1/30/2014	1.0122	170.02	54.6		19.2	03	TH-232		
14-01113-04	DO	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-232	EML Th-01 Modified	1.10E+00	3.21E-01	3.35E-01	9.37E-02	pCi/g	1/30/2014	1.0241	170.02	70.1		20.1	04	TH-232		
14-01113-05	TRG	FEEBRIS 14-4.028-029	01/20/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-232	EML Th-01 Modified	1.46E+00	3.73E-01	3.94E-01	6.03E-02	pCi/g	1/30/2014	0.999	170.02	101		19.3	05	TH-232		
14-01113-06	TRG	FEEBRIS 14-7.013-014	01/20/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-232	EML Th-01 Modified	8.89E-01	3.12E-01	3.22E-01	1.11E-01	pCi/g	1/30/2014	1.0148	170.02	45.3		18.6	06	TH-232		
14-01113-07	TRG	FEEBRIS 14-7.039-040	01/20/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-232	EML Th-01 Modified	1.26E+00	3.82E-01	3.97E-01	9.77E-02	pCi/g	1/30/2014	1.0029	170.02	67.5		18.3	07	TH-232		
14-01113-08	TRG	FEEBRIS 15-2.043-044	01/20/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-232	EML Th-01 Modified	1.33E+00	4.01E-01	4.17E-01	7.94E-02	pCi/g	1/30/2014	1.0271	170.02	69.8		14.3	08	TH-232		
14-01113-09	TRG	FEEBRIS 15-2.024-025	01/20/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-232	EML Th-01 Modified	1.84E+00	4.34E-01	4.64E-01	1.01E-01	pCi/g	1/30/2014	1.0001	170	133		16.8	09	TH-232		
14-01113-10	TRG	FEEBRIS 16-3.006-007	01/19/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-232	EML Th-01 Modified	1.30E+00	3.72E-01	3.89E-01	8.09E-02	pCi/g	1/30/2014	1.0097	170	76.7		17.7	10	TH-232		
14-01113-11	TRG	FEEBRIS 16-3.011-012	01/19/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-232	EML Th-01 Modified	1.37E+00	3.89E-01	4.08E-01	8.14E-02	pCi/g	1/30/2014	1.0216	170	80.7		18.8	11	TH-232		
14-01113-12	TRG	FEEBRIS 16-3.011-012D	01/19/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-232	EML Th-01 Modified	1.62E+00	4.76E-01	4.96E-01	1.15E-01	pCi/g	1/30/2014	1.0002	170	79.3		13.9	12	TH-232		
14-01113-13	TRG	FEEBRIS 16-6.006-007	01/19/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-232	EML Th-01 Modified	1.23E+00	3.35E-01	3.52E-01	6.12E-02	pCi/g	1/30/2014	1.0074	170	83.8		17.5	13	TH-232		
14-01113-14	TRG	FEEBRIS 16-6.021-022	01/19/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-232	EML Th-01 Modified	1.50E+00	3.87E-01	4.09E-01	6.26E-02	pCi/g	1/30/2014	0.9995	170	99.8		16.4	14	TH-232		
14-01113-15	TRG	FEEBRIS 12-5.002-003	01/18/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-232	EML Th-01 Modified	9.41E-01	2.59E-01	2.72E-01	6.54E-02	pCi/g	1/30/2014	0.9993	170	75.5		17.3	15	TH-232		
14-01113-16	TRG	FEEBRIS 12-5.012-013	01/18/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-232	EML Th-01 Modified	8.74E-01	2.80E-01	2.90E-01	6.78E-02	pCi/g	1/30/2014	1.0097	170	53.8		15.9	16	TH-232		
14-01113-17	TRG	FEEBRIS 14-2.019-020	01/17/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-232	EML Th-01 Modified	1.05E+00	3.01E-01	3.15E-01	8.29E-02	pCi/g	1/30/2014	1.001	170	71.3		18.5	17	TH-232		
14-01113-18	TRG	FEEBRIS 14-2.029-031	01/17/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-232	EML Th-01 Modified	1.36E+00	3.56E-01	3.75E-01	5.99E-02	pCi/g	1/30/2014	1.0197	170	94.8		18.2	18	TH-232		
14-01113-19	TRG	FEEBRIS 13-3.019-020	01/15/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-232	EML Th-01 Modified	1.20E+00	3.40E-01	3.56E-01	7.50E-02	pCi/g	1/30/2014	0.9978	170	76.7		16.9	19	TH-232		
14-01113-20	TRG	FEEBRIS 13-3.029-030	01/15/14 00:00	1/23/2014	2/4/2014	14-01113	Thorium-232	EML Th-01 Modified	8.05E-01	2.41E-01	2.51E-01	7.91E-02	pCi/g	1/30/2014	1.0128	170	61		18.7	20	TH-232		

Eberline Analytical Final Report of Analysis			Report To:						Work Order Details:														
			Dan Feezor Feezor Engineering, Inc. 406 East Walnut Street Chatham, IL 62629						SDG:		14-01113 REVISED												
									Purchase Order:		BT-026-PO1												
									Analysis Category:		ENVIRONMENTAL												
									Sample Matrix:		SO												
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	
14-01113-01	LCS	KNOWN	01/23/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-234	EML U-02 Modified	7.99E+00	2.88E-01			pCi/g	1/30/2014	1	170	525		16.9	01	U-234	7.99E+00	
14-01113-01	LCS	SPIKE	01/23/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-234	EML U-02 Modified	6.81E+00	9.39E-01	1.06E+00	5.41E-02	pCi/g	1/30/2014	1	170	525		16.9	01	U-234	7.99E+00	
14-01113-02	MBL	BLANK	01/23/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-234	EML U-02 Modified	8.66E-02	6.35E-02	6.38E-02	5.40E-02	pCi/g	1/30/2014	1	170	7.66		17.8	02	U-234		
14-01113-03	DUP	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-234	EML U-02 Modified	6.67E-01	1.91E-01	1.97E-01	6.80E-02	pCi/g	1/30/2014	1.0541	170.02	55.3		17.4	03	U-234		
14-01113-04	DO	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-234	EML U-02 Modified	1.08E+00	2.38E-01	2.50E-01	8.23E-02	pCi/g	1/30/2014	1.0564	170.02	102		18.5	04	U-234		
14-01113-05	TRG	FEEBRIS 14-4.028-029	01/20/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-234	EML U-02 Modified	9.45E-01	2.24E-01	2.34E-01	8.31E-02	pCi/g	1/30/2014	1.0038	170	86.1		19.2	05	U-234		
14-01113-06	TRG	FEEBRIS 14-7.013-014	01/20/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-234	EML U-02 Modified	1.07E+00	2.54E-01	2.65E-01	5.20E-02	pCi/g	1/30/2014	1.0094	170.02	85.8		20.1	06	U-234		
14-01113-07	TRG	FEEBRIS 14-7.039-040	01/20/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-234	EML U-02 Modified	8.64E-01	2.15E-01	2.24E-01	4.82E-02	pCi/g	1/30/2014	1.0003	170	74.8		19.3	07	U-234		
14-01113-08	TRG	FEEBRIS 15-2.043-044	01/20/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-234	EML U-02 Modified	7.27E-01	1.88E-01	1.95E-01	7.44E-02	pCi/g	1/30/2014	1.0202	170	69.5		18.6	08	U-234		
14-01113-09	TRG	FEEBRIS 15-2.024-025	01/20/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-234	EML U-02 Modified	9.80E-01	2.51E-01	2.60E-01	1.00E-01	pCi/g	1/30/2014	1.0045	170.02	74.1		18.3	09	U-234		
14-01113-10	TRG	FEEBRIS 16-3.006-007	01/19/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-234	EML U-02 Modified	6.92E-01	2.12E-01	2.18E-01	8.08E-02	pCi/g	1/30/2014	1.0054	170.02	48.3		14.3	10	U-234		
14-01113-11	TRG	FEEBRIS 16-3.011-012	01/19/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-234	EML U-02 Modified	9.00E-01	2.26E-01	2.35E-01	8.16E-02	pCi/g	1/30/2014	1.003	170	75.6		16.8	11	U-234		
14-01113-12	TRG	FEEBRIS 16-3.011-012D	01/19/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-234	EML U-02 Modified	8.51E-01	2.20E-01	2.29E-01	7.67E-02	pCi/g	1/30/2014	0.9966	170	70		17.7	12	U-234		
14-01113-13	TRG	FEEBRIS 16-6.006-007	01/19/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-234	EML U-02 Modified	1.11E+00	2.48E-01	2.60E-01	4.64E-02	pCi/g	1/30/2014	1.1006	170	99.8		18.8	13	U-234		
14-01113-14	TRG	FEEBRIS 16-6.021-022	01/19/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-234	EML U-02 Modified	5.84E-01	2.01E-01	2.06E-01	1.12E-01	pCi/g	1/30/2014	1.0019	170	38.3		13.9	14	U-234		
14-01113-15	TRG	FEEBRIS 12-5.002-003	01/18/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-234	EML U-02 Modified	5.35E-01	1.79E-01	1.83E-01	5.75E-02	pCi/g	1/30/2014	1.009	170	38.8		16.9	15	U-234		
14-01113-16	TRG	FEEBRIS 12-5.012-013	01/18/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-234	EML U-02 Modified	6.70E-01	2.01E-01	2.07E-01	6.45E-02	pCi/g	1/30/2014	1.0058	170	49.7		17.8	16	U-234		
14-01113-17	TRG	FEEBRIS 14-2.019-020	01/17/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-234	EML U-02 Modified	7.48E-01	1.97E-01	2.04E-01	6.36E-02	pCi/g	1/30/2014	1.0037	170.02	66.3		17.4	17	U-234		
14-01113-18	TRG	FEEBRIS 14-2.029-031	01/17/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-234	EML U-02 Modified	1.03E+00	2.65E-01	2.76E-01	1.09E-01	pCi/g	1/30/2014	1.0034	170.02	74		18.5	18	U-234		
14-01113-19	TRG	FEEBRIS 13-3.019-020	01/15/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-234	EML U-02 Modified	9.51E-01	2.49E-01	2.59E-01	1.03E-01	pCi/g	1/30/2014	0.9979	170.02	70.1		19.2	19	U-234		
14-01113-20	TRG	FEEBRIS 13-3.029-030	01/15/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-234	EML U-02 Modified	7.17E-01	2.08E-01	2.14E-01	5.56E-02	pCi/g	1/30/2014	1.0068	170.02	53.8		20.1	20	U-234		

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								Purchase Order:															
								Analysis Category:															
					Sample Matrix:																		
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	
14-01113-01	LCS	SPIKE	01/23/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-235	EML U-02 Modified	6.88E-01	2.21E-01	2.26E-01	9.60E-02	pCi/g	1/30/2014	1	170	43		16.9	01	U-235		
14-01113-02	MBL	BLANK	01/23/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-235	EML U-02 Modified	5.58E-02	6.14E-02	6.15E-02	8.36E-02	pCi/g	1/30/2014	1	170	4		17.8	02	U-235		
14-01113-03	DUP	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-235	EML U-02 Modified	7.19E-02	6.58E-02	6.60E-02	6.21E-02	pCi/g	1/30/2014	1.0541	170.02	4.83		17.4	03	U-235		
14-01113-04	DO	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-235	EML U-02 Modified	1.17E-01	8.23E-02	8.27E-02	8.21E-02	pCi/g	1/30/2014	1.0564	170.02	8.98		18.5	04	U-235		
14-01113-05	TRG	FEEBRIS 14-4.028-029	01/20/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-235	EML U-02 Modified	7.66E-02	6.58E-02	6.60E-02	6.47E-02	pCi/g	1/30/2014	1.0038	170	5.66		19.2	05	U-235		
14-01113-06	TRG	FEEBRIS 14-7.013-014	01/20/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-235	EML U-02 Modified	1.02E-01	8.07E-02	8.10E-02	7.34E-02	pCi/g	1/30/2014	1.0094	170.02	6.66		20.1	06	U-235		
14-01113-07	TRG	FEEBRIS 14-7.039-040	01/20/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-235	EML U-02 Modified	7.12E-02	6.88E-02	6.90E-02	8.54E-02	pCi/g	1/30/2014	1.0003	170	5		19.3	07	U-235		
14-01113-08	TRG	FEEBRIS 15-2.043-044	01/20/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-235	EML U-02 Modified	1.70E-02	3.69E-02	3.69E-02	7.29E-02	pCi/g	1/30/2014	1.0202	170	1.32		18.6	08	U-235		
14-01113-09	TRG	FEEBRIS 15-2.024-025	01/20/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-235	EML U-02 Modified	5.93E-02	7.34E-02	7.35E-02	1.12E-01	pCi/g	1/30/2014	1.0045	170.02	3.64		18.3	09	U-235		
14-01113-10	TRG	FEEBRIS 16-3.006-007	01/19/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-235	EML U-02 Modified	5.30E-02	6.96E-02	6.97E-02	1.06E-01	pCi/g	1/30/2014	1.0054	170.02	3		14.3	10	U-235		
14-01113-11	TRG	FEEBRIS 16-3.011-012	01/19/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-235	EML U-02 Modified	1.39E-01	9.25E-02	9.30E-02	7.70E-02	pCi/g	1/30/2014	1.003	170	9.49		16.8	11	U-235		
14-01113-12	TRG	FEEBRIS 16-3.011-012D	01/19/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-235	EML U-02 Modified	1.60E-01	9.93E-02	9.99E-02	7.18E-02	pCi/g	1/30/2014	0.9966	170	10.7		17.7	12	U-235		
14-01113-13	TRG	FEEBRIS 16-6.006-007	01/19/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-235	EML U-02 Modified	4.55E-02	5.48E-02	5.48E-02	7.74E-02	pCi/g	1/30/2014	1.1006	170	3.32		18.8	13	U-235		
14-01113-14	TRG	FEEBRIS 16-6.021-022	01/19/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-235	EML U-02 Modified	1.06E-01	9.15E-02	9.18E-02	8.99E-02	pCi/g	1/30/2014	1.0019	170	5.66		13.9	14	U-235		
14-01113-15	TRG	FEEBRIS 12-5.002-003	01/18/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-235	EML U-02 Modified	5.10E-02	6.69E-02	6.70E-02	1.02E-01	pCi/g	1/30/2014	1.009	170	3		16.9	15	U-235		
14-01113-16	TRG	FEEBRIS 12-5.012-013	01/18/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-235	EML U-02 Modified	9.98E-02	8.70E-02	8.73E-02	9.97E-02	pCi/g	1/30/2014	1.0058	170	6		17.8	16	U-235		
14-01113-17	TRG	FEEBRIS 14-2.019-020	01/17/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-235	EML U-02 Modified	9.50E-02	7.30E-02	7.33E-02	5.81E-02	pCi/g	1/30/2014	1.0037	170.02	6.83		17.4	17	U-235		
14-01113-18	TRG	FEEBRIS 14-2.029-031	01/17/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-235	EML U-02 Modified	3.41E-02	6.02E-02	6.03E-02	1.08E-01	pCi/g	1/30/2014	1.0034	170.02	1.98		18.5	18	U-235		
14-01113-19	TRG	FEEBRIS 13-3.019-020	01/15/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-235	EML U-02 Modified	1.78E-01	1.11E-01	1.12E-01	8.00E-02	pCi/g	1/30/2014	0.9979	170.02	10.7		19.2	19	U-235		
14-01113-20	TRG	FEEBRIS 13-3.029-030	01/15/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-235	EML U-02 Modified	4.37E-02	5.66E-02	5.66E-02	7.86E-02	pCi/g	1/30/2014	1.0068	170.02	2.66		20.1	20	U-235		

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									Analysis Category:		ENVIRONMENTAL											
						Sample Matrix:		SO														
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-01113-01	LCS	KNOWN	01/23/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-238	EML U-02 Modified	7.79E+00	2.80E-01			pCi/g	1/30/2014	1	170	559		16.9	01	U-238	7.79E+00
14-01113-01	LCS	SPIKE	01/23/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-238	EML U-02 Modified	7.22E+00	9.84E-01	1.11E+00	7.75E-02	pCi/g	1/30/2014	1	170	559		16.9	01	U-238	7.79E+00
14-01113-02	MBL	BLANK	01/23/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-238	EML U-02 Modified	2.06E-02	3.15E-02	3.15E-02	4.70E-02	pCi/g	1/30/2014	1	170	1.83		17.8	02	U-238	
14-01113-03	DUP	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-238	EML U-02 Modified	7.43E-01	2.02E-01	2.09E-01	5.01E-02	pCi/g	1/30/2014	1.0541	170.02	61.8		17.4	03	U-238	
14-01113-04	DO	FEEBRIS 14-4.005-006	01/20/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-238	EML U-02 Modified	7.29E-01	1.88E-01	1.95E-01	5.93E-02	pCi/g	1/30/2014	1.0564	170.02	69.3		18.5	04	U-238	
14-01113-05	TRG	FEEBRIS 14-4.028-029	01/20/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-238	EML U-02 Modified	1.23E+00	2.61E-01	2.75E-01	7.20E-02	pCi/g	1/30/2014	1.0038	170	113		19.2	05	U-238	
14-01113-06	TRG	FEEBRIS 14-7.013-014	01/20/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-238	EML U-02 Modified	1.01E+00	2.45E-01	2.56E-01	5.93E-02	pCi/g	1/30/2014	1.0094	170.02	81.7		20.1	06	U-238	
14-01113-07	TRG	FEEBRIS 14-7.039-040	01/20/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-238	EML U-02 Modified	8.28E-01	2.11E-01	2.19E-01	6.89E-02	pCi/g	1/30/2014	1.0003	170	72		19.3	07	U-238	
14-01113-08	TRG	FEEBRIS 15-2.043-044	01/20/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-238	EML U-02 Modified	8.17E-01	1.99E-01	2.08E-01	5.88E-02	pCi/g	1/30/2014	1.0202	170	78.3		18.6	08	U-238	
14-01113-09	TRG	FEEBRIS 15-2.024-025	01/20/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-238	EML U-02 Modified	9.30E-01	2.40E-01	2.49E-01	6.29E-02	pCi/g	1/30/2014	1.0045	170.02	70.7		18.3	09	U-238	
14-01113-10	TRG	FEEBRIS 16-3.006-007	01/19/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-238	EML U-02 Modified	7.51E-01	2.21E-01	2.27E-01	6.82E-02	pCi/g	1/30/2014	1.0054	170.02	52.7		14.3	10	U-238	
14-01113-11	TRG	FEEBRIS 16-3.011-012	01/19/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-238	EML U-02 Modified	1.05E+00	2.47E-01	2.58E-01	7.46E-02	pCi/g	1/30/2014	1.003	170	89		16.8	11	U-238	
14-01113-12	TRG	FEEBRIS 16-3.011-012D	01/19/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-238	EML U-02 Modified	9.79E-01	2.37E-01	2.48E-01	5.06E-02	pCi/g	1/30/2014	0.9966	170	80.8		17.7	12	U-238	
14-01113-13	TRG	FEEBRIS 16-6.006-007	01/19/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-238	EML U-02 Modified	1.02E+00	2.36E-01	2.47E-01	6.24E-02	pCi/g	1/30/2014	1.1006	170	92.3		18.8	13	U-238	
14-01113-14	TRG	FEEBRIS 16-6.021-022	01/19/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-238	EML U-02 Modified	5.91E-01	2.06E-01	2.10E-01	1.36E-01	pCi/g	1/30/2014	1.0019	170	38.9		13.9	14	U-238	
14-01113-15	TRG	FEEBRIS 12-5.002-003	01/18/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-238	EML U-02 Modified	6.04E-01	1.93E-01	1.97E-01	8.22E-02	pCi/g	1/30/2014	1.009	170	44		16.9	15	U-238	
14-01113-16	TRG	FEEBRIS 12-5.012-013	01/18/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-238	EML U-02 Modified	7.63E-01	2.16E-01	2.23E-01	5.60E-02	pCi/g	1/30/2014	1.0058	170	56.8		17.8	16	U-238	
14-01113-17	TRG	FEEBRIS 14-2.019-020	01/17/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-238	EML U-02 Modified	7.96E-01	2.03E-01	2.11E-01	4.69E-02	pCi/g	1/30/2014	1.0037	170.02	70.8		17.4	17	U-238	
14-01113-18	TRG	FEEBRIS 14-2.029-031	01/17/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-238	EML U-02 Modified	1.02E+00	2.61E-01	2.71E-01	7.84E-02	pCi/g	1/30/2014	1.0034	170.02	73.3		18.5	18	U-238	
14-01113-19	TRG	FEEBRIS 13-3.019-020	01/15/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-238	EML U-02 Modified	9.16E-01	2.42E-01	2.51E-01	8.90E-02	pCi/g	1/30/2014	0.9979	170.02	67.8		19.2	19	U-238	
14-01113-20	TRG	FEEBRIS 13-3.029-030	01/15/14 00:00	1/23/2014	2/3/2014	14-01113	Uranium-238	EML U-02 Modified	8.85E-01	2.34E-01	2.43E-01	6.35E-02	pCi/g	1/30/2014	1.0068	170.02	66.7		20.1	20	U-238	



FROM: Cecilia Greene

TO: Mr. Dan Feezor, Feezor Engineering

CC: Mr. Paul Rosasco

DATE: 06/06/2014

RE: Transmittal of Validated Results for Eberline Work Order 14-01113

Eberline Services of Oak Ridge, TN has completed their analysis of the Phase 1 subsurface soil samples in Eberline Work Order 14-01113. The validated results are summarized in Table 1.

There is a sample number discrepancy between the COC and the Laboratory Sample Acknowledgement. The COC incorrectly references FEEBRIS 14-7.038-039. The laboratory was instructed to change the identifier to FEEBRIS 14-7.039-040. This change is reflected on the Laboratory Sample Acknowledgement, the EDD, and this summary report.

The laboratory quality control samples were validated using MARLAP criteria. All laboratory control samples fell within acceptable control limits with the exception of the protactinium-231 duplicate analysis. Protactinium-231 did not pass the MARLAP duplicate test, which requires the use of the method uncertainty in determining the control limits. Protactinium-231 has a very low method uncertainty. All other duplicate analyses for gamma spectroscopy pass the test. This condition does not constitute a non-conformance to the measurement quality objectives.

A complete verification of all of the laboratory calculations was performed. 95% of the calculated results were within $\pm 10\%$ of the laboratory results. We were unable to reproduce the results of 4 protactinium-231 and 9 lead-210 results with the information supplied by the laboratory. This is probably due to complex spectral de-convoluting operations performed by the spectroscopy software.

A non-detect result (U qualifiers) is determined by considering the analytical result and its uncertainty vs. the critical value as supplied by the laboratory.

The low abundance of the gamma lines used to identify and quantify protactinium-231 and lead-210 resulted in numerous J and Q (Combined Standard Uncertainty > Required Method Uncertainty) qualifiers. This condition increased the counting and combined standard uncertainty, and the minimum detectable activity. This condition does not constitute a non-conformance to the measurement quality objectives.

The full laboratory Level IV report of analysis will be retained at Auxier & Associates offices in Knoxville, TN where it is available for inspection upon request. Should you require additional information or further clarification, please contact me or Mr. Michael Bollenbacher at (865) 675-3669.

Sincerely,

Cecilia H. Greene, MPH, NRRPT
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9821 Cogdill Road, Suite 1
Knoxville, TN 37932

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Health Physics and Environmental Radiation Consulting
A USA Environment, L.P. Company

Sample ID	Uranium-234 (pCi/g)	Uranium-235 (pCi/g)	Uranium-238 (pCi/g)	Thorium-230 (pCi/g)	Thorium-232 (pCi/g)	Actinium-227 (pCi/g)
Analytical Method	EML U-02 Modified	EML U-02 Modified	EML U-02 Modified	EML Th-01 Modified	EML Th-01 Modified	EML Th-01 Modified
FEEBRIS 12-5.002-003	0.53 ± 0.18 {-}	< 0.001 (0.05 ± 0.07) {U}	0.60 ± 0.20 {-}	1.27 ± 0.35 {-}	0.94 ± 0.27 {-}	0.16 ± 0.10 {-}
FEEBRIS 12-5.012-013	0.67 ± 0.21 {-}	0.10 ± 0.09 {-}	0.76 ± 0.22 {-}	1.72 ± 0.49 {-}	0.87 ± 0.29 {-}	0.14 ± 0.10 {-}
FEEBRIS 13-3.019-020	0.95 ± 0.26 {-}	0.18 ± 0.11 {-}	0.92 ± 0.25 {-}	3.41 ± 0.85 {-}	1.20 ± 0.36 {-}	0.10 ± 0.09 {-}
FEEBRIS 13-3.029-030	0.72 ± 0.21 {-}	< 0.006 (0.04 ± 0.06) {U}	0.88 ± 0.24 {-}	0.79 ± 0.26 {-}	0.81 ± 0.25 {-}	0.15 ± 0.10 {-}
FEEBRIS 14-2.019-020	0.75 ± 0.20 {-}	0.10 ± 0.07 {-}	0.80 ± 0.21 {-}	2.76 ± 0.70 {-}	1.05 ± 0.32 {-}	0.23 ± 0.13 {-}
FEEBRIS 14-2.029-031	1.03 ± 0.28 {-}	< 0.015 (0.03 ± 0.06) {U}	1.02 ± 0.27 {-}	1.52 ± 0.43 {-}	1.36 ± 0.38 {-}	< 0.019 (0.09 ± 0.08) {U}
FEEBRIS 14-4.005-006	1.08 ± 0.25 {-}	0.12 ± 0.08 {-}	0.73 ± 0.19 {-}	1.29 ± 0.39 {-}	1.10 ± 0.34 {-}	0.21 ± 0.13 {-}
FEEBRIS 14-4.028-029	0.94 ± 0.23 {-}	0.08 ± 0.07 {-}	1.23 ± 0.28 {-}	2.08 ± 0.55 {-}	1.46 ± 0.39 {-}	0.17 ± 0.11 {-}
FEEBRIS 14-7.013-014	1.07 ± 0.26 {-}	0.10 ± 0.08 {-}	1.01 ± 0.26 {-}	1.54 ± 0.49 {-}	0.89 ± 0.32 {-}	< 0.049 (0.11 ± 0.12) {U}
FEEBRIS 14-7.039-040	0.86 ± 0.22 {-}	0.07 ± 0.07 {-}	0.83 ± 0.22 {-}	1.80 ± 0.54 {-}	1.26 ± 0.40 {-}	< 0.065 (0.09 ± 0.11) {U}
FEEBRIS 15-2.024-025	0.98 ± 0.26 {-}	< 0.019 (0.06 ± 0.07) {U}	0.93 ± 0.25 {-}	115.62 ± 23.75 {-}	1.84 ± 0.46 {-}	0.94 ± 0.30 {Q}
FEEBRIS 15-2.043-044	0.73 ± 0.20 {-}	< 0.008 (0.02 ± 0.04) {U}	0.82 ± 0.21 {-}	1.36 ± 0.44 {-}	1.33 ± 0.42 {-}	0.15 ± 0.11 {-}
FEEBRIS 16-3.006-007	0.69 ± 0.22 {-}	< 0.001 (0.05 ± 0.07) {U}	0.75 ± 0.23 {-}	1.86 ± 0.53 {-}	1.30 ± 0.39 {-}	< 0.036 (0.09 ± 0.09) {U}
FEEBRIS 16-3.011-012	0.90 ± 0.23 {-}	0.14 ± 0.09 {-}	1.05 ± 0.26 {-}	1.77 ± 0.52 {-}	1.37 ± 0.41 {-}	< 0.022 (0.08 ± 0.09) {U}
FEEBRIS 16-3.011-012D	0.85 ± 0.23 {-}	0.16 ± 0.10 {-}	0.98 ± 0.25 {-}	1.86 ± 0.57 {-}	1.62 ± 0.50 {-}	0.15 ± 0.12 {-}
FEEBRIS 16-6.006-007	1.11 ± 0.26 {-}	< 0.009 (0.05 ± 0.05) {U}	1.02 ± 0.25 {-}	1.67 ± 0.46 {-}	1.23 ± 0.35 {-}	0.16 ± 0.10 {-}
FEEBRIS 16-6.021-022	0.58 ± 0.21 {-}	0.11 ± 0.09 {-}	0.59 ± 0.21 {-}	1.41 ± 0.41 {-}	1.50 ± 0.41 {-}	0.37 ± 0.17 {-}

U - Result is less than the Critical Value

Q - Measurement Combined Standard Uncertainty > Required Method Uncertainty

J - Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

- Validated, no qualifiers assigned

Sample ID	Protactinium-231 (pCi/g)	Radium-228 (pCi/g)	Radium-226 (pCi/g)	Lead-210 (pCi/g)	Potassium-40 (pCi/g)
Analytical Method	LANL 130 Modified	LANL 130 Modified	LANL 130 Modified	LANL 130 Modified	LANL 130 Modified
FEEBRIS 12-5.002-003	< 0.95 (-1.43 ± 1.33) {UQJ}	0.88 ± 0.17 {-}	1.22 ± 0.16 {-}	2.22 ± 0.98 {QJ}	14.96 ± 2.05 {-}
FEEBRIS 12-5.012-013	< 1.33 (0.03 ± 0.67) {UQJ}	1.10 ± 0.24 {-}	1.15 ± 0.19 {-}	< 1.23 (2.15 ± 1.54) {UQJ}	16.25 ± 2.37 {-}
FEEBRIS 13-3.019-020	< 1.69 (0.48 ± 0.83) {UQJ}	1.39 ± 0.36 {J}	1.50 ± 0.23 {-}	< 1.06 (2.24 ± 1.29) {UQJ}	24.21 ± 3.42 {-}
FEEBRIS 13-3.029-030	< 2.27 (0.78 ± 3.04) {UQJ}	0.73 ± 0.37 {J}	< 0.24 (0.39 ± 0.31) {UJ}	< 0.97 (1.81 ± 1.27) {UQJ}	8.06 ± 1.94 {-}
FEEBRIS 14-2.019-020	< 1.04 (0.10 ± 0.67) {UQJ}	1.33 ± 0.22 {-}	1.31 ± 0.18 {-}	< 1.02 (1.60 ± 1.26) {UQJ}	19.62 ± 2.55 {-}
FEEBRIS 14-2.029-031	< 1.08 (-0.26 ± 1.41) {UQJ}	1.14 ± 0.21 {-}	1.19 ± 0.19 {-}	< 1.01 (1.71 ± 1.26) {UQJ}	19.89 ± 2.63 {-}
FEEBRIS 14-4.005-006	< 0.78 (-1.27 ± 1.14) {UQJ}	0.68 ± 0.13 {-}	0.90 ± 0.14 {-}	< 0.61 (0.67 ± 0.75) {UJ}	10.89 ± 1.54 {-}
FEEBRIS 14-4.028-029	< 1.4 (-0.81 ± 1.88) {UQJ}	0.84 ± 0.24 {J}	0.82 ± 0.20 {-}	< 1.22 (1.69 ± 1.52) {UQJ}	9.40 ± 1.75 {-}
FEEBRIS 14-7.013-014	< 1.09 (0.83 ± 1.47) {UQJ}	0.48 ± 0.16 {-}	0.90 ± 0.15 {-}	< 0.74 (0.73 ± 0.92) {UQJ}	9.80 ± 1.69 {-}
FEEBRIS 14-7.039-040	< 1.64 (-0.38 ± 0.78) {UQJ}	0.99 ± 0.30 {J}	1.32 ± 0.23 {-}	< 0.69 (0.63 ± 0.95) {UQJ}	17.51 ± 2.57 {-}
FEEBRIS 15-2.024-025	5.59 ± 2.69 {QJ}	1.48 ± 0.29 {J}	4.78 ± 0.51 {-}	4.69 ± 2.09 {QJ}	18.56 ± 2.70 {-}
FEEBRIS 15-2.043-044	< 1.09 (0.10 ± 0.69) {UQJ}	1.42 ± 0.25 {-}	1.40 ± 0.20 {-}	< 0.89 (1.35 ± 1.11) {UQJ}	20.70 ± 2.73 {-}
FEEBRIS 16-3.006-007	< 1.82 (-1.79 ± 2.00) {UQJ}	1.61 ± 0.32 {-}	1.36 ± 0.24 {-}	< 1.01 (1.52 ± 1.24) {UQJ}	19.67 ± 2.89 {-}
FEEBRIS 16-3.011-012	< 1.08 (-0.21 ± 1.40) {UQJ}	1.67 ± 0.23 {-}	1.17 ± 0.19 {-}	< 0.93 (1.13 ± 1.14) {UQJ}	23.22 ± 2.86 {-}
FEEBRIS 16-3.011-012D	< 1.20 (0.76 ± 0.80) {UQJ}	1.25 ± 0.26 {-}	1.27 ± 0.19 {-}	< 0.88 (1.03 ± 1.36) {UQJ}	22.68 ± 2.95 {-}
FEEBRIS 16-6.006-007	< 1.46 (0.77 ± 2.09) {UQJ}	1.41 ± 0.26 {-}	1.36 ± 0.21 {-}	< 1.22 (1.30 ± 1.49) {UQJ}	21.65 ± 2.96 {-}
FEEBRIS 16-6.021-022	< 0.95 (0.11 ± 1.25) {UQJ}	1.26 ± 0.21 {-}	0.93 ± 0.15 {-}	< 0.65 (1.00 ± 0.98) {UQJ}	17.28 ± 2.25 {-}

U - Result is less than the Critical Value

Q - Measurement Combined Standard Uncertainty > Required Method Uncertainty/Relative Standard Uncertainty

J - Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

- Validated, no qualifiers assigned

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:														
			Dan Feezor					SDG:		14-02048												
			Feezor Engineering, Inc.					Purchase Order:		BT-026-PO1												
			406 East Walnut Street					Analysis Category:		ENVIRONMENTAL												
Chatham, IL 62629					Sample Matrix:		SO															
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-02048-01	LCS	KNOWN	02/11/14 00:00	2/11/2014	3/17/2014	14-02048	Cobalt-60	LANL ER-130 Modified	1.30E+02	5.22E+00			pCi/g	2/14/2014	1	30				01	CO-60	1.30E+02
14-02048-01	LCS	KNOWN	02/11/14 00:00	2/11/2014	3/17/2014	14-02048	Cesium-137	LANL ER-130 Modified	8.30E+01	3.32E+00			pCi/g	2/14/2014	1	30				01	CS-137	8.30E+01
14-02048-01	LCS	SPIKE	02/11/14 00:00	2/11/2014	3/17/2014	14-02048	Cobalt-60	LANL ER-130 Modified	1.35E+02	8.82E+00	1.12E+01	6.36E-01	pCi/g	2/14/2014	1	30				01	CO-60	1.30E+02
14-02048-01	LCS	SPIKE	02/11/14 00:00	2/11/2014	3/17/2014	14-02048	Cesium-137	LANL ER-130 Modified	8.83E+01	7.87E+00	9.08E+00	8.05E-01	pCi/g	2/14/2014	1	30				01	CS-137	8.30E+01
14-02048-02	MBL	BLANK	02/11/14 00:00	2/11/2014	3/17/2014	14-02048	Actinium-228	LANL ER-130 Modified	6.31E-02	9.80E-02	9.81E-02	1.81E-01	pCi/g	2/14/2014	1	120				02	AC-228	
14-02048-02	MBL	BLANK	02/11/14 00:00	2/11/2014	3/17/2014	14-02048	Bismuth-214	LANL ER-130 Modified	-1.18E-02	5.81E-02	5.81E-02	9.07E-02	pCi/g	2/14/2014	1	120				02	BI-214	
14-02048-02	MBL	BLANK	02/11/14 00:00	2/11/2014	3/17/2014	14-02048	Potassium-40	LANL ER-130 Modified	2.60E-01	2.35E-01	2.36E-01	5.21E-01	pCi/g	2/14/2014	1	120				02	K-40	
14-02048-02	MBL	BLANK	02/11/14 00:00	2/11/2014	3/17/2014	14-02048	Protactinium-231	LANL ER-130 Modified	-8.89E-01	1.06E+00	1.06E+00	1.30E+00	pCi/g	2/14/2014	1	120				02	PA-231	
14-02048-02	MBL	BLANK	02/11/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-210	LANL ER-130 Modified	2.41E-01	3.60E-01	3.60E-01	5.57E-01	pCi/g	2/14/2014	1	120				02	PB-210	
14-02048-02	MBL	BLANK	02/11/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-214	LANL ER-130 Modified	4.18E-02	6.16E-02	6.16E-02	9.31E-02	pCi/g	2/14/2014	1	120				02	PB-214	
14-02048-03	DUP	FEEBRIS08-1.028-029	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Actinium-228	LANL ER-130 Modified	7.62E-01	2.35E-01	2.38E-01	3.90E-01	pCi/g	2/14/2014	459.35	60				03	AC-228	
14-02048-03	DUP	FEEBRIS08-1.028-029	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Bismuth-214	LANL ER-130 Modified	1.16E+00	2.19E-01	2.27E-01	3.24E-01	pCi/g	2/14/2014	459.35	60				03	BI-214	
14-02048-03	DUP	FEEBRIS08-1.028-029	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Potassium-40	LANL ER-130 Modified	9.01E+00	1.54E+00	1.61E+00	5.96E-01	pCi/g	2/14/2014	459.35	60				03	K-40	
14-02048-03	DUP	FEEBRIS08-1.028-029	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Protactinium-231	LANL ER-130 Modified	2.26E+00	1.67E+00	1.67E+00	2.81E+00	pCi/g	2/14/2014	459.35	60				03	PA-231	
14-02048-03	DUP	FEEBRIS08-1.028-029	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-210	LANL ER-130 Modified	9.39E-01	1.20E+00	1.20E+00	2.00E+00	pCi/g	2/14/2014	459.35	60				03	PB-210	
14-02048-03	DUP	FEEBRIS08-1.028-029	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-214	LANL ER-130 Modified	1.05E+00	1.64E-01	1.72E-01	2.55E-01	pCi/g	2/14/2014	459.35	60				03	PB-214	
14-02048-04	DO	FEEBRIS08-1.028-029	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Actinium-228	LANL ER-130 Modified	8.77E-01	1.88E-01	1.93E-01	6.37E-01	pCi/g	2/14/2014	459.35	60				04	AC-228	
14-02048-04	DO	FEEBRIS08-1.028-029	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Bismuth-214	LANL ER-130 Modified	1.27E+00	1.95E-01	2.06E-01	4.68E-01	pCi/g	2/14/2014	459.35	60				04	BI-214	
14-02048-04	DO	FEEBRIS08-1.028-029	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Potassium-40	LANL ER-130 Modified	8.35E+00	1.52E+00	1.58E+00	9.76E-01	pCi/g	2/14/2014	459.35	60				04	K-40	
14-02048-04	DO	FEEBRIS08-1.028-029	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Protactinium-231	LANL ER-130 Modified	5.28E-01	7.04E-01	7.04E-01	2.95E+00	pCi/g	2/14/2014	459.35	60				04	PA-231	
14-02048-04	DO	FEEBRIS08-1.028-029	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-210	LANL ER-130 Modified	1.71E+00	1.19E+00	1.19E+00	2.03E+00	pCi/g	2/14/2014	459.35	60				04	PB-210	
14-02048-04	DO	FEEBRIS08-1.028-029	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-214	LANL ER-130 Modified	1.10E+00	1.60E-01	1.69E-01	2.14E-01	pCi/g	2/14/2014	459.35	60				04	PB-214	
14-02048-05	TRG	FEEBRIS08-1.040-041	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Actinium-228	LANL ER-130 Modified	1.59E+00	2.57E-01	2.70E-01	4.38E-01	pCi/g	2/14/2014	511.76	60				05	AC-228	
14-02048-05	TRG	FEEBRIS08-1.040-041	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Bismuth-214	LANL ER-130 Modified	1.49E+00	2.05E-01	2.19E-01	2.01E-01	pCi/g	2/14/2014	511.76	60				05	BI-214	
14-02048-05	TRG	FEEBRIS08-1.040-041	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Potassium-40	LANL ER-130 Modified	2.11E+01	2.47E+00	2.70E+00	8.79E-01	pCi/g	2/14/2014	511.76	60				05	K-40	
14-02048-05	TRG	FEEBRIS08-1.040-041	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Protactinium-231	LANL ER-130 Modified	2.50E-02	1.42E+00	1.42E+00	2.30E+00	pCi/g	2/14/2014	511.76	60				05	PA-231	
14-02048-05	TRG	FEEBRIS08-1.040-041	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-210	LANL ER-130 Modified	1.64E+00	1.19E+00	1.19E+00	1.95E+00	pCi/g	2/14/2014	511.76	60				05	PB-210	
14-02048-05	TRG	FEEBRIS08-1.040-041	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-214	LANL ER-130 Modified	1.55E+00	1.86E-01	2.03E-01	2.14E-01	pCi/g	2/14/2014	511.76	60				05	PB-214	

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:															
			Dan Feezor					SDG:		14-02048													
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			406 East Walnut Street					Analysis Category:		ENVIRONMENTAL													
			Chatham, IL 62629					Sample Matrix:		SO													
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	
14-02048-06	TRG	FEEBRISWL119.005-006	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Actinium-228	LANL ER-130 Modified	1.39E+00	2.18E-01	2.29E-01	3.68E-01	pCi/g	2/14/2014	554.25	60				06	AC-228		
14-02048-06	TRG	FEEBRISWL119.005-006	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Bismuth-214	LANL ER-130 Modified	1.35E+00	1.75E-01	1.88E-01	1.94E-01	pCi/g	2/14/2014	554.25	60				06	BI-214		
14-02048-06	TRG	FEEBRISWL119.005-006	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Potassium-40	LANL ER-130 Modified	1.57E+01	1.98E+00	2.13E+00	7.73E-01	pCi/g	2/14/2014	554.25	60				06	K-40		
14-02048-06	TRG	FEEBRISWL119.005-006	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Protactinium-231	LANL ER-130 Modified	3.19E-02	1.50E+00	1.50E+00	2.38E+00	pCi/g	2/14/2014	554.25	60				06	PA-231		
14-02048-06	TRG	FEEBRISWL119.005-006	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-210	LANL ER-130 Modified	1.67E+00	1.13E+00	1.13E+00	1.55E+00	pCi/g	2/14/2014	554.25	60				06	PB-210		
14-02048-06	TRG	FEEBRISWL119.005-006	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-214	LANL ER-130 Modified	1.44E+00	1.63E-01	1.79E-01	2.33E-01	pCi/g	2/14/2014	554.25	60				06	PB-214		
14-02048-07	TRG	FEEBRISWL119.051-052	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Actinium-228	LANL ER-130 Modified	5.15E-01	1.12E-01	1.15E-01	2.17E-01	pCi/g	2/14/2014	712.85	60				07	AC-228		
14-02048-07	TRG	FEEBRISWL119.051-052	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Bismuth-214	LANL ER-130 Modified	4.03E-01	8.48E-02	8.72E-02	4.03E-02	pCi/g	2/14/2014	712.85	60				07	BI-214		
14-02048-07	TRG	FEEBRISWL119.051-052	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Potassium-40	LANL ER-130 Modified	1.63E+01	1.85E+00	2.03E+00	5.74E-01	pCi/g	2/14/2014	712.85	60				07	K-40		
14-02048-07	TRG	FEEBRISWL119.051-052	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Protactinium-231	LANL ER-130 Modified	3.37E-01	8.32E-01	8.32E-01	1.42E+00	pCi/g	2/14/2014	712.85	60				07	PA-231		
14-02048-07	TRG	FEEBRISWL119.051-052	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-210	LANL ER-130 Modified	5.21E-01	5.63E-01	5.64E-01	9.38E-01	pCi/g	2/14/2014	712.85	60				07	PB-210		
14-02048-07	TRG	FEEBRISWL119.051-052	01/30/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-214	LANL ER-130 Modified	4.92E-01	9.14E-02	9.48E-02	1.42E-01	pCi/g	2/14/2014	712.85	60				07	PB-214		
14-02048-08	TRG	FEEBRIS05-3.028-029	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Actinium-228	LANL ER-130 Modified	1.98E+01	6.33E+00	6.41E+00	1.08E+01	pCi/g	2/14/2014	107.4	60				08	AC-228		
14-02048-08	TRG	FEEBRIS05-3.028-029	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Bismuth-214	LANL ER-130 Modified	1.49E+03	9.45E+01	1.21E+02	1.02E+01	pCi/g	2/14/2014	107.4	60				08	BI-214		
14-02048-08	TRG	FEEBRIS05-3.028-029	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Potassium-40	LANL ER-130 Modified	1.86E+01	2.05E+01	2.05E+01	2.77E+01	pCi/g	2/14/2014	107.4	60				08	K-40		
14-02048-08	TRG	FEEBRIS05-3.028-029	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Protactinium-231	LANL ER-130 Modified	1.68E+03	1.65E+02	1.86E+02	1.67E+02	pCi/g	2/14/2014	107.4	60				08	PA-231		
14-02048-08	TRG	FEEBRIS05-3.028-029	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-210	LANL ER-130 Modified	-2.63E+02	4.97E+01	5.15E+01	6.53E+01	pCi/g	2/14/2014	107.4	60				08	PB-210		
14-02048-08	TRG	FEEBRIS05-3.028-029	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-214	LANL ER-130 Modified	1.78E+03	1.13E+02	1.46E+02	1.06E+01	pCi/g	2/14/2014	107.4	60				08	PB-214		
14-02048-08	TRG	FEEBRIS05-3.028-029	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Thorium-234	LANL ER-130 Modified	1.17E+03	1.07E+02	1.23E+02	1.22E+02	pCi/g	2/14/2014	107.4	60				08	TH-234		
14-02048-08	TRG	FEEBRIS05-3.028-029	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Uranium-235	LANL ER-130 Modified	1.75E+02	3.68E+01	3.79E+01	2.52E+01	pCi/g	2/14/2014	107.4	60				08	U-235		
14-02048-09	TRG	FEEBRIS05-3.029-030	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Actinium-228	LANL ER-130 Modified	1.19E+00	2.75E-01	2.82E-01	6.28E-01	pCi/g	2/14/2014	595.93	60				09	AC-228		
14-02048-09	TRG	FEEBRIS05-3.029-030	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Bismuth-214	LANL ER-130 Modified	5.60E+00	4.73E-01	5.54E-01	2.50E-01	pCi/g	2/14/2014	595.93	60				09	BI-214		
14-02048-09	TRG	FEEBRIS05-3.029-030	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Potassium-40	LANL ER-130 Modified	1.59E+01	2.04E+00	2.19E+00	1.21E+00	pCi/g	2/14/2014	595.93	60				09	K-40		
14-02048-09	TRG	FEEBRIS05-3.029-030	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Protactinium-231	LANL ER-130 Modified	-1.47E-01	2.41E+00	2.41E+00	3.76E+00	pCi/g	2/14/2014	595.93	60				09	PA-231		
14-02048-09	TRG	FEEBRIS05-3.029-030	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-210	LANL ER-130 Modified	5.52E+00	1.89E+00	1.91E+00	2.98E+00	pCi/g	2/14/2014	595.93	60				09	PB-210		
14-02048-09	TRG	FEEBRIS05-3.029-030	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-214	LANL ER-130 Modified	7.03E+00	4.91E-01	6.09E-01	3.49E-01	pCi/g	2/14/2014	595.93	60				09	PB-214		

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Chatham, IL 62629					Sample Matrix:		SO															
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-02048-10	TRG	FEEBRIS05-3.029-030D	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Actinium-228	LANL ER-130 Modified	3.60E-01	2.10E-01	2.11E-01	4.38E-01	pCi/g	2/14/2014	625.66	120				10	AC-228	
14-02048-10	TRG	FEEBRIS05-3.029-030D	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Bismuth-214	LANL ER-130 Modified	4.41E-01	1.18E-01	1.20E-01	1.84E-01	pCi/g	2/14/2014	625.66	120				10	BI-214	
14-02048-10	TRG	FEEBRIS05-3.029-030D	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Potassium-40	LANL ER-130 Modified	1.17E+01	1.80E+00	1.90E+00	1.27E+00	pCi/g	2/14/2014	625.66	120				10	K-40	
14-02048-10	TRG	FEEBRIS05-3.029-030D	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Protactinium-231	LANL ER-130 Modified	1.35E+00	1.50E+00	1.50E+00	2.34E+00	pCi/g	2/14/2014	625.66	120				10	PA-231	
14-02048-10	TRG	FEEBRIS05-3.029-030D	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-210	LANL ER-130 Modified	6.36E-01	6.51E-01	6.52E-01	9.90E-01	pCi/g	2/14/2014	625.66	120				10	PB-210	
14-02048-10	TRG	FEEBRIS05-3.029-030D	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-214	LANL ER-130 Modified	2.89E-01	1.05E-01	1.06E-01	1.95E-01	pCi/g	2/14/2014	625.66	120				10	PB-214	
14-02048-11	TRG	FEEBRIS05-3.033-034	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Actinium-228	LANL ER-130 Modified	1.96E+00	4.18E-01	4.30E-01	8.96E-01	pCi/g	2/14/2014	516.5	60				11	AC-228	
14-02048-11	TRG	FEEBRIS05-3.033-034	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Bismuth-214	LANL ER-130 Modified	3.26E+01	1.78E+00	2.44E+00	9.27E-01	pCi/g	2/14/2014	516.5	60				11	BI-214	
14-02048-11	TRG	FEEBRIS05-3.033-034	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Potassium-40	LANL ER-130 Modified	1.47E+01	3.74E+00	3.81E+00	5.55E+00	pCi/g	2/14/2014	516.5	60				11	K-40	
14-02048-11	TRG	FEEBRIS05-3.033-034	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Protactinium-231	LANL ER-130 Modified	3.13E+01	5.18E+00	5.42E+00	1.58E+01	pCi/g	2/14/2014	516.5	60				11	PA-231	
14-02048-11	TRG	FEEBRIS05-3.033-034	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-210	LANL ER-130 Modified	2.53E+01	3.95E+00	4.15E+00	5.64E+00	pCi/g	2/14/2014	516.5	60				11	PB-210	
14-02048-11	TRG	FEEBRIS05-3.033-034	01/31/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-214	LANL ER-130 Modified	3.58E+01	2.30E+00	2.94E+00	6.90E-01	pCi/g	2/14/2014	516.5	60				11	PB-214	
14-02048-12	TRG	FEEBRIS02-2.005-006	02/01/14 00:00	2/11/2014	3/17/2014	14-02048	Actinium-228	LANL ER-130 Modified	1.14E+00	1.86E-01	1.95E-01	2.21E-01	pCi/g	2/14/2014	618.69	60				12	AC-228	
14-02048-12	TRG	FEEBRIS02-2.005-006	02/01/14 00:00	2/11/2014	3/17/2014	14-02048	Bismuth-214	LANL ER-130 Modified	9.93E-01	1.47E-01	1.56E-01	2.03E-01	pCi/g	2/14/2014	618.69	60				12	BI-214	
14-02048-12	TRG	FEEBRIS02-2.005-006	02/01/14 00:00	2/11/2014	3/17/2014	14-02048	Potassium-40	LANL ER-130 Modified	1.76E+01	2.13E+00	2.31E+00	9.14E-01	pCi/g	2/14/2014	618.69	60				12	K-40	
14-02048-12	TRG	FEEBRIS02-2.005-006	02/01/14 00:00	2/11/2014	3/17/2014	14-02048	Protactinium-231	LANL ER-130 Modified	-1.81E-01	6.30E-01	6.30E-01	1.98E+00	pCi/g	2/14/2014	618.69	60				12	PA-231	
14-02048-12	TRG	FEEBRIS02-2.005-006	02/01/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-210	LANL ER-130 Modified	1.09E+00	1.05E+00	1.06E+00	1.41E+00	pCi/g	2/14/2014	618.69	60				12	PB-210	
14-02048-12	TRG	FEEBRIS02-2.005-006	02/01/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-214	LANL ER-130 Modified	1.04E+00	1.29E-01	1.39E-01	1.71E-01	pCi/g	2/14/2014	618.69	60				12	PB-214	
14-02048-13	TRG	FEEBRIS02-2.021-022	02/01/14 00:00	2/11/2014	3/17/2014	14-02048	Actinium-228	LANL ER-130 Modified	1.44E+00	2.71E-01	2.81E-01	5.56E-01	pCi/g	2/14/2014	564.56	60				13	AC-228	
14-02048-13	TRG	FEEBRIS02-2.021-022	02/01/14 00:00	2/11/2014	3/17/2014	14-02048	Bismuth-214	LANL ER-130 Modified	1.17E+00	2.06E-01	2.15E-01	2.26E-01	pCi/g	2/14/2014	564.56	60				13	BI-214	
14-02048-13	TRG	FEEBRIS02-2.021-022	02/01/14 00:00	2/11/2014	3/17/2014	14-02048	Potassium-40	LANL ER-130 Modified	2.10E+01	2.87E+00	3.07E+00	1.87E+00	pCi/g	2/14/2014	564.56	60				13	K-40	
14-02048-13	TRG	FEEBRIS02-2.021-022	02/01/14 00:00	2/11/2014	3/17/2014	14-02048	Protactinium-231	LANL ER-130 Modified	-4.86E-01	9.88E-01	9.88E-01	2.90E+00	pCi/g	2/14/2014	564.56	60				13	PA-231	
14-02048-13	TRG	FEEBRIS02-2.021-022	02/01/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-210	LANL ER-130 Modified	2.64E+00	1.67E+00	1.68E+00	2.72E+00	pCi/g	2/14/2014	564.56	60				13	PB-210	
14-02048-13	TRG	FEEBRIS02-2.021-022	02/01/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-214	LANL ER-130 Modified	1.47E+00	1.77E-01	1.92E-01	2.55E-01	pCi/g	2/14/2014	564.56	60				13	PB-214	
14-02048-14	TRG	FEEBRIS01-2.024-025	02/03/14 00:00	2/11/2014	3/17/2014	14-02048	Actinium-228	LANL ER-130 Modified	1.13E+00	1.95E-01	2.03E-01	3.43E-01	pCi/g	2/14/2014	488.02	60				14	AC-228	
14-02048-14	TRG	FEEBRIS01-2.024-025	02/03/14 00:00	2/11/2014	3/17/2014	14-02048	Bismuth-214	LANL ER-130 Modified	1.36E+00	1.90E-01	2.02E-01	2.06E-01	pCi/g	2/14/2014	488.02	60				14	BI-214	
14-02048-14	TRG	FEEBRIS01-2.024-025	02/03/14 00:00	2/11/2014	3/17/2014	14-02048	Potassium-40	LANL ER-130 Modified	1.83E+01	2.26E+00	2.45E+00	1.08E+00	pCi/g	2/14/2014	488.02	60				14	K-40	
14-02048-14	TRG	FEEBRIS01-2.024-025	02/03/14 00:00	2/11/2014	3/17/2014	14-02048	Protactinium-231	LANL ER-130 Modified	3.05E-01	6.94E-01	6.94E-01	2.27E+00	pCi/g	2/14/2014	488.02	60				14	PA-231	
14-02048-14	TRG	FEEBRIS01-2.024-025	02/03/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-210	LANL ER-130 Modified	1.27E+00	1.27E+00	1.27E+00	2.11E+00	pCi/g	2/14/2014	488.02	60				14	PB-210	
14-02048-14	TRG	FEEBRIS01-2.024-025	02/03/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-214	LANL ER-130 Modified	1.57E+00	1.76E-01	1.94E-01	2.18E-01	pCi/g	2/14/2014	488.02	60				14	PB-214	

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			Chatham, IL 62629					Sample Matrix:		SO													
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	
14-02048-15	TRG	FEEBRIS01-2.039-040	02/03/14 00:00	2/11/2014	3/17/2014	14-02048	Actinium-228	LANL ER-130 Modified	1.28E+00	3.63E-01	3.69E-01	7.13E-01	pCi/g	2/14/2014	567.07	60				15	AC-228		
14-02048-15	TRG	FEEBRIS01-2.039-040	02/03/14 00:00	2/11/2014	3/17/2014	14-02048	Bismuth-214	LANL ER-130 Modified	4.98E+00	4.00E-01	4.75E-01	2.54E-01	pCi/g	2/14/2014	567.07	60				15	BI-214		
14-02048-15	TRG	FEEBRIS01-2.039-040	02/03/14 00:00	2/11/2014	3/17/2014	14-02048	Potassium-40	LANL ER-130 Modified	1.69E+01	2.20E+00	2.37E+00	1.45E+00	pCi/g	2/14/2014	567.07	60				15	K-40		
14-02048-15	TRG	FEEBRIS01-2.039-040	02/03/14 00:00	2/11/2014	3/17/2014	14-02048	Protactinium-231	LANL ER-130 Modified	-1.93E-01	2.04E+00	2.04E+00	3.21E+00	pCi/g	2/14/2014	567.07	60				15	PA-231		
14-02048-15	TRG	FEEBRIS01-2.039-040	02/03/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-210	LANL ER-130 Modified	3.14E+00	1.28E+00	1.29E+00	2.02E+00	pCi/g	2/14/2014	567.07	60				15	PB-210		
14-02048-15	TRG	FEEBRIS01-2.039-040	02/03/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-214	LANL ER-130 Modified	5.35E+00	3.99E-01	4.85E-01	3.32E-01	pCi/g	2/14/2014	567.07	60				15	PB-214		
14-02048-16	TRG	FEEBRIS01-2.028-029	02/03/14 00:00	2/11/2014	3/17/2014	14-02048	Actinium-228	LANL ER-130 Modified	3.55E-01	2.01E-01	2.02E-01	4.99E-01	pCi/g	2/14/2014	416.01	60				16	AC-228		
14-02048-16	TRG	FEEBRIS01-2.028-029	02/03/14 00:00	2/11/2014	3/17/2014	14-02048	Bismuth-214	LANL ER-130 Modified	6.12E-01	1.59E-01	1.62E-01	2.44E-01	pCi/g	2/14/2014	416.01	60				16	BI-214		
14-02048-16	TRG	FEEBRIS01-2.028-029	02/03/14 00:00	2/11/2014	3/17/2014	14-02048	Potassium-40	LANL ER-130 Modified	5.91E+00	1.22E+00	1.26E+00	5.59E-01	pCi/g	2/14/2014	416.01	60				16	K-40		
14-02048-16	TRG	FEEBRIS01-2.028-029	02/03/14 00:00	2/11/2014	3/17/2014	14-02048	Protactinium-231	LANL ER-130 Modified	3.13E-01	1.67E+00	1.67E+00	2.55E+00	pCi/g	2/14/2014	416.01	60				16	PA-231		
14-02048-16	TRG	FEEBRIS01-2.028-029	02/03/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-210	LANL ER-130 Modified	1.38E+00	1.45E+00	1.45E+00	2.41E+00	pCi/g	2/14/2014	416.01	60				16	PB-210		
14-02048-16	TRG	FEEBRIS01-2.028-029	02/03/14 00:00	2/11/2014	3/17/2014	14-02048	Lead-214	LANL ER-130 Modified	7.97E-01	1.52E-01	1.58E-01	2.08E-01	pCi/g	2/14/2014	416.01	60				16	PB-214		
14-02048-02	MBL	BLANK	02/11/14 00:00	2/11/2014	2/27/2014	14-02048	Actinium-227	EML Th-01 Modified	-1.24E-02	3.05E-02	3.06E-02	8.70E-02	pCi/g	2/21/2014	1	170.02	-0.85		18.5	02	TH-227		
14-02048-03	DUP	FEEBRIS08-1.028-029	01/30/14 00:00	2/11/2014	2/27/2014	14-02048	Actinium-227	EML Th-01 Modified	6.55E-01	6.99E-01	7.04E-01	9.68E-01	pCi/g	2/21/2014	0.10029	170	4.64		19.2	03	TH-227		
14-02048-04	DO	FEEBRIS08-1.028-029	01/30/14 00:00	2/11/2014	2/27/2014	14-02048	Actinium-227	EML Th-01 Modified	1.33E-01	3.93E-01	3.93E-01	8.55E-01	pCi/g	2/21/2014	0.10029	170	0.98		20.1	04	TH-227		
14-02048-05	TRG	FEEBRIS08-1.040-041	01/30/14 00:00	2/11/2014	2/27/2014	14-02048	Actinium-227	EML Th-01 Modified	-3.83E-03	4.06E-01	4.06E-01	1.21E+00	pCi/g	2/21/2014	0.10079	170	-0.02		19.3	05	TH-227		
14-02048-06	TRG	FEEBRISWL119.005-006	01/30/14 00:00	2/11/2014	2/27/2014	14-02048	Actinium-227	EML Th-01 Modified	2.52E-01	3.87E-01	3.89E-01	6.55E-01	pCi/g	2/21/2014	0.15027	170	2.64		18.6	06	TH-227		
14-02048-07	TRG	FEEBRISWL119.051-052	01/30/14 00:00	2/11/2014	2/27/2014	14-02048	Actinium-227	EML Th-01 Modified	5.31E-01	8.13E-01	8.15E-01	1.39E+00	pCi/g	2/21/2014	0.10027	170.02	3.28		18.3	07	TH-227		
14-02048-08	TRG	FEEBRIS05-3.028-029	01/31/14 00:00	2/11/2014	2/27/2014	14-02048	Actinium-227	EML Th-01 Modified	2.91E+02	1.01E+02	1.08E+02	1.82E+01	pCi/g	2/21/2014	0.010007	77.13	73.7		14.3	08	TH-227		
14-02048-09	TRG	FEEBRIS05-3.029-030	01/31/14 00:00	2/11/2014	2/27/2014	14-02048	Actinium-227	EML Th-01 Modified	3.84E+00	1.76E+00	1.82E+00	1.11E+00	pCi/g	2/21/2014	0.10008	170	22.8		16.8	09	TH-227		
14-02048-10	TRG	FEEBRIS05-3.029-030D	01/31/14 00:00	2/11/2014	2/27/2014	14-02048	Actinium-227	EML Th-01 Modified	2.23E-01	3.67E-01	3.68E-01	6.41E-01	pCi/g	2/21/2014	0.2003	170	2.47		17.7	10	TH-227		
14-02048-11	TRG	FEEBRIS05-3.033-034	01/31/14 00:00	2/11/2014	2/27/2014	14-02048	Actinium-227	EML Th-01 Modified	2.07E+01	1.03E+01	1.06E+01	4.81E+00	pCi/g	2/21/2014	0.05034	78.9	23.4		18.8	11	TH-227		
14-02048-12	TRG	FEEBRIS02-2.005-006	02/01/14 00:00	2/11/2014	2/27/2014	14-02048	Actinium-227	EML Th-01 Modified	7.03E-01	7.70E-01	7.75E-01	9.19E-01	pCi/g	2/21/2014	0.10016	170	3.66		13.9	12	TH-227		
14-02048-13	TRG	FEEBRIS02-2.021-022	02/01/14 00:00	2/11/2014	2/27/2014	14-02048	Actinium-227	EML Th-01 Modified	1.24E-01	2.70E-01	2.70E-01	5.32E-01	pCi/g	2/21/2014	0.20024	170	1.32		17.5	13	TH-227		
14-02048-14	TRG	FEEBRIS01-2.024-025	02/03/14 00:00	2/11/2014	2/27/2014	14-02048	Actinium-227	EML Th-01 Modified	1.20E-01	3.66E-01	3.66E-01	8.67E-01	pCi/g	2/21/2014	0.1004	170	0.66		17.9	14	TH-227		
14-02048-15	TRG	FEEBRIS01-2.039-040	02/03/14 00:00	2/11/2014	2/27/2014	14-02048	Actinium-227	EML Th-01 Modified	3.56E+00	1.91E+00	1.96E+00	8.16E-01	pCi/g	2/21/2014	0.20124	81.47	17.8		17	15	TH-227		
14-02048-16	TRG	FEEBRIS01-2.028-029	02/03/14 00:00	2/11/2014	2/27/2014	14-02048	Actinium-227	EML Th-01 Modified	3.14E-01	4.82E-01	4.84E-01	7.16E-01	pCi/g	2/21/2014	0.10025	170	1.83		15.9	16	TH-227		

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:															
			Dan Feezor					SDG:		14-02048													
			Feezor Engineering, Inc.					Purchase Order:		BT-026-PO1													
			406 East Walnut Street					Analysis Category:		ENVIRONMENTAL													
			Chatham, IL 62629					Sample Matrix:		SO													
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	
14-02048-01	LCS	KNOWN	02/11/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-230	EML Th-01 Modified	5.46E+00	1.47E-01			pCi/g	2/21/2014	1	170	330		17.4	01	TH-230	5.46E+00	
14-02048-01	LCS	SPIKE	02/11/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-230	EML Th-01 Modified	5.99E+00	1.05E+00	1.29E+00	1.25E-01	pCi/g	2/21/2014	1	170	330		17.4	01	TH-230	5.46E+00	
14-02048-02	MBL	BLANK	02/11/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-230	EML Th-01 Modified	1.27E-01	9.61E-02	9.74E-02	1.11E-01	pCi/g	2/21/2014	1	170.02	8.96		18.5	02	TH-230		
14-02048-03	DUP	FEEBRIS08-1.028-029	01/30/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-230	EML Th-01 Modified	2.27E+00	1.21E+00	1.24E+00	9.78E-01	pCi/g	2/21/2014	0.10029	170	16.5		19.2	03	TH-230		
14-02048-04	DO	FEEBRIS08-1.028-029	01/30/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-230	EML Th-01 Modified	1.65E+00	9.76E-01	9.97E-01	6.94E-01	pCi/g	2/21/2014	0.10029	170	12.5		20.1	04	TH-230		
14-02048-05	TRG	FEEBRIS08-1.040-041	01/30/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-230	EML Th-01 Modified	1.09E+00	9.21E-01	9.31E-01	7.79E-01	pCi/g	2/21/2014	0.10079	170	5.83		19.3	05	TH-230		
14-02048-06	TRG	FEEBRISWL119.005-006	01/30/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-230	EML Th-01 Modified	2.14E+00	9.65E-01	1.00E+00	5.86E-01	pCi/g	2/21/2014	0.15027	170	23		18.6	06	TH-230		
14-02048-07	TRG	FEEBRISWL119.051-052	01/30/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-230	EML Th-01 Modified	2.39E+00	1.35E+00	1.39E+00	1.20E+00	pCi/g	2/21/2014	0.10027	170.02	15.1		18.3	07	TH-230		
14-02048-08	TRG	FEEBRIS05-3.028-029	01/31/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-230	EML Th-01 Modified	2.58E+04	6.83E+03	7.54E+03	1.77E+01	pCi/g	2/21/2014	0.010007	77.13	6720		14.3	08	TH-230		
14-02048-09	TRG	FEEBRIS05-3.029-030	01/31/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-230	EML Th-01 Modified	4.44E+02	8.09E+01	9.77E+01	1.12E+00	pCi/g	2/21/2014	0.10008	170	2710		16.8	09	TH-230		
14-02048-10	TRG	FEEBRIS05-3.029-030D	01/31/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-230	EML Th-01 Modified	2.11E+00	9.47E-01	9.82E-01	5.54E-01	pCi/g	2/21/2014	0.2003	170	24		17.7	10	TH-230		
14-02048-11	TRG	FEEBRIS05-3.033-034	01/31/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-230	EML Th-01 Modified	1.81E+03	5.12E+02	5.59E+02	4.54E+00	pCi/g	2/21/2014	0.05034	78.9	2100		18.8	11	TH-230		
14-02048-12	TRG	FEEBRIS02-2.005-006	02/01/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-230	EML Th-01 Modified	2.12E+00	1.34E+00	1.36E+00	1.06E+00	pCi/g	2/21/2014	0.10016	170	11.3		13.9	12	TH-230		
14-02048-13	TRG	FEEBRIS02-2.021-022	02/01/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-230	EML Th-01 Modified	1.47E+00	7.92E-01	8.13E-01	5.51E-01	pCi/g	2/21/2014	0.20024	170	16		17.5	13	TH-230		
14-02048-14	TRG	FEEBRIS01-2.024-025	02/03/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-230	EML Th-01 Modified	3.50E+00	1.68E+00	1.73E+00	7.37E-01	pCi/g	2/21/2014	0.1004	170	19.8		17.9	14	TH-230		
14-02048-15	TRG	FEEBRIS01-2.039-040	02/03/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-230	EML Th-01 Modified	4.17E+02	1.12E+02	1.23E+02	7.95E-01	pCi/g	2/21/2014	0.20124	81.47	2140		17	15	TH-230		
14-02048-16	TRG	FEEBRIS01-2.028-029	02/03/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-230	EML Th-01 Modified	2.50E+00	1.39E+00	1.43E+00	1.05E+00	pCi/g	2/21/2014	0.10025	170	15		15.9	16	TH-230		
14-02048-01	LCS	KNOWN	02/11/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-232	EML Th-01 Modified	4.83E+00	1.74E-01			pCi/g	2/21/2014	1	170	296		17.4	01	TH-232	4.83E+00	
14-02048-01	LCS	SPIKE	02/11/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-232	EML Th-01 Modified	5.37E+00	9.65E-01	1.07E+00	1.09E-01	pCi/g	2/21/2014	1	170	296		17.4	01	TH-232	4.83E+00	
14-02048-02	MBL	BLANK	02/11/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-232	EML Th-01 Modified	6.36E-02	6.35E-02	6.38E-02	7.43E-02	pCi/g	2/21/2014	1	170.02	4.49		18.5	02	TH-232		
14-02048-03	DUP	FEEBRIS08-1.028-029	01/30/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-232	EML Th-01 Modified	1.14E+00	8.34E-01	8.40E-01	7.74E-01	pCi/g	2/21/2014	0.10029	170	8.32		19.2	03	TH-232		
14-02048-04	DO	FEEBRIS08-1.028-029	01/30/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-232	EML Th-01 Modified	1.19E+00	8.41E-01	8.47E-01	7.92E-01	pCi/g	2/21/2014	0.10029	170	9		20.1	04	TH-232		
14-02048-05	TRG	FEEBRIS08-1.040-041	01/30/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-232	EML Th-01 Modified	8.04E-01	8.39E-01	8.42E-01	1.05E+00	pCi/g	2/21/2014	0.10079	170	4.32		19.3	05	TH-232		
14-02048-06	TRG	FEEBRISWL119.005-006	01/30/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-232	EML Th-01 Modified	1.22E+00	7.14E-01	7.22E-01	5.56E-01	pCi/g	2/21/2014	0.15027	170	13.1		18.6	06	TH-232		
14-02048-07	TRG	FEEBRISWL119.051-052	01/30/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-232	EML Th-01 Modified	6.00E-01	7.12E-01	7.14E-01	1.04E+00	pCi/g	2/21/2014	0.10027	170.02	3.81		18.3	07	TH-232		
14-02048-08	TRG	FEEBRIS05-3.028-029	01/31/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-232	EML Th-01 Modified	2.03E+02	7.65E+01	7.86E+01	1.55E+01	pCi/g	2/21/2014	0.010007	77.13	52.8		14.3	08	TH-232		
14-02048-09	TRG	FEEBRIS05-3.029-030	01/31/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-232	EML Th-01 Modified	6.76E+00	2.41E+00	2.48E+00	9.23E-01	pCi/g	2/21/2014	0.10008	170	41.3		16.8	09	TH-232		
14-02048-10	TRG	FEEBRIS05-3.029-030D	01/31/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-232	EML Th-01 Modified	5.26E-01	4.65E-01	4.67E-01	5.26E-01	pCi/g	2/21/2014	0.2003	170	6		17.7	10	TH-232		
14-02048-11	TRG	FEEBRIS05-3.033-034	01/31/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-232	EML Th-01 Modified	1.44E+01	8.06E+00	8.16E+00	4.00E+00	pCi/g	2/21/2014	0.05034	78.9	16.7		18.8	11	TH-232		
14-02048-12	TRG	FEEBRIS02-2.005-006	02/01/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-232	EML Th-01 Modified	1.24E+00	1.00E+00	1.01E+00	8.94E-01	pCi/g	2/21/2014	0.10016	170	6.66		13.9	12	TH-232		
14-02048-13	TRG	FEEBRIS02-2.021-022	02/01/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-232	EML Th-01 Modified	9.17E-01	6.21E-01	6.26E-01	5.50E-01	pCi/g	2/21/2014	0.20024	170	10		17.5	13	TH-232		
14-02048-14	TRG	FEEBRIS01-2.024-025	02/03/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-232	EML Th-01 Modified	1.70E+00	1.14E+00	1.15E+00	8.43E-01	pCi/g	2/21/2014	0.1004	170	9.66		17.9	14	TH-232		
14-02048-15	TRG	FEEBRIS01-2.039-040	02/03/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-232	EML Th-01 Modified	5.23E+00	2.42E+00	2.46E+00	7.15E-01	pCi/g	2/21/2014	0.20124	81.47	26.9		17	15	TH-232		
14-02048-16	TRG	FEEBRIS01-2.028-029	02/03/14 00:00	2/11/2014	2/27/2014	14-02048	Thorium-232	EML Th-01 Modified	1.10E-01	3.37E-01	3.37E-01	7.98E-01	pCi/g	2/21/2014	0.10025	170	0.66		15.9	16	TH-232		

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:															
			Dan Feezor Feezor Engineering, Inc. 406 East Walnut Street Chatham, IL 62629					SDG:		14-02048													
								Purchase Order:		BT-026-PO1													
								Analysis Category:		ENVIRONMENTAL													
Sample Matrix:		SO																					
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	
14-02048-01	LCS	KNOWN	02/11/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-234	EML U-02 Modified	8.04E+00	2.90E-01				pCi/g	2/21/2014	1	170	675		18.3	01	U-234	8.04E+00
14-02048-01	LCS	SPIKE	02/11/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-234	EML U-02 Modified	7.42E+00	9.38E-01	1.08E+00	7.25E-02		pCi/g	2/21/2014	1	170	675		18.3	01	U-234	8.04E+00
14-02048-02	MBL	BLANK	02/11/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-234	EML U-02 Modified	4.90E-02	5.89E-02	5.90E-02	8.32E-02		pCi/g	2/21/2014	1	170.02	3.32		14.3	02	U-234	
14-02048-03	DUP	FEEBRIS08-1.028-029	01/30/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-234	EML U-02 Modified	1.09E+00	8.20E-01	8.24E-01	8.61E-01		pCi/g	2/21/2014	0.10029	170	7.98		16.8	03	U-234	
14-02048-04	DO	FEEBRIS08-1.028-029	01/30/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-234	EML U-02 Modified	1.70E+00	9.43E-01	9.51E-01	6.60E-01		pCi/g	2/21/2014	0.10029	170.02	13.5		17.7	04	U-234	
14-02048-05	TRG	FEEBRIS08-1.040-041	01/30/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-234	EML U-02 Modified	8.61E-01	6.63E-01	6.66E-01	6.64E-01		pCi/g	2/21/2014	0.10079	170.02	7.32		18.8	05	U-234	
14-02048-06	TRG	FEEBRISWL119.005-006	01/30/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-234	EML U-02 Modified	1.10E+00	7.76E-01	7.80E-01	7.69E-01		pCi/g	2/21/2014	0.15027	170	8.98		13.9	06	U-234	
14-02048-07	TRG	FEEBRISWL119.051-052	01/30/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-234	EML U-02 Modified	1.13E+00	8.15E-01	8.19E-01	6.05E-01		pCi/g	2/21/2014	0.10027	170	7.83		17.5	07	U-234	
14-02048-08	TRG	FEEBRIS05-3.028-029	01/31/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-234	EML U-02 Modified	4.29E+00	6.65E+01	7.32E+01	5.59E+00		pCi/g	2/21/2014	0.010007	170	320		17.9	08	U-234	
14-02048-09	TRG	FEEBRIS05-3.029-030	01/31/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-234	EML U-02 Modified	3.20E+00	1.26E+00	1.28E+00	6.12E-01		pCi/g	2/21/2014	0.10008	170	27.5		17	09	U-234	
14-02048-10	TRG	FEEBRIS05-3.029-030D	01/31/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-234	EML U-02 Modified	7.84E-01	4.35E-01	4.39E-01	3.05E-01		pCi/g	2/21/2014	0.2003	170	13.5		15.9	10	U-234	
14-02048-11	TRG	FEEBRIS05-3.033-034	01/31/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-234	EML U-02 Modified	1.40E+01	4.01E+00	4.13E+00	1.52E+00		pCi/g	2/21/2014	0.05034	170	55.2		18.5	11	U-234	
14-02048-12	TRG	FEEBRIS02-2.005-006	02/01/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-234	EML U-02 Modified	1.87E+00	1.04E+00	1.05E+00	7.29E-01		pCi/g	2/21/2014	0.10016	170	13.5		18.2	12	U-234	
14-02048-13	TRG	FEEBRIS02-2.021-022	02/01/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-234	EML U-02 Modified	1.63E+00	6.36E-01	6.46E-01	3.90E-01		pCi/g	2/21/2014	0.20024	170	28.6		17.9	13	U-234	
14-02048-14	TRG	FEEBRIS01-2.024-025	02/03/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-234	EML U-02 Modified	1.54E-01	9.97E-01	9.97E-01	2.72E+00		pCi/g	2/21/2014	0.1004	170	0.32		16.9	14	U-234	
14-02048-15	TRG	FEEBRIS01-2.039-040	02/03/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-234	EML U-02 Modified	6.19E+00	2.32E+00	2.37E+00	8.54E-01		pCi/g	2/21/2014	0.20124	170	34.7		18.7	15	U-234	
14-02048-16	TRG	FEEBRIS01-2.028-029	02/03/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-234	EML U-02 Modified	1.51E+00	8.57E-01	8.63E-01	5.68E-01		pCi/g	2/21/2014	0.10025	170	12.7		18.7	16	U-234	
14-02048-01	LCS	SPIKE	02/11/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-235	EML U-02 Modified	3.66E-01	1.46E-01	1.48E-01	8.55E-02		pCi/g	2/21/2014	1	170	27		18.3	01	U-235	
14-02048-02	MBL	BLANK	02/11/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-235	EML U-02 Modified	3.02E-02	5.13E-02	5.13E-02	8.70E-02		pCi/g	2/21/2014	1	170.02	1.66		14.3	02	U-235	
14-02048-03	DUP	FEEBRIS08-1.028-029	01/30/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-235	EML U-02 Modified	1.94E-01	4.84E-01	4.85E-01	1.01E+00		pCi/g	2/21/2014	0.10029	170	1.15		16.8	03	U-235	
14-02048-04	DO	FEEBRIS08-1.028-029	01/30/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-235	EML U-02 Modified	3.60E-01	5.38E-01	5.39E-01	8.75E-01		pCi/g	2/21/2014	0.10029	170.02	2.32		17.7	04	U-235	
14-02048-05	TRG	FEEBRIS08-1.040-041	01/30/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-235	EML U-02 Modified	4.11E-01	4.97E-01	4.98E-01	6.06E-01		pCi/g	2/21/2014	0.10079	170.02	2.83		18.8	05	U-235	
14-02048-06	TRG	FEEBRISWL119.005-006	01/30/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-235	EML U-02 Modified	3.75E-01	5.21E-01	5.21E-01	7.90E-01		pCi/g	2/21/2014	0.15027	170	2.49		13.9	06	U-235	
14-02048-07	TRG	FEEBRISWL119.051-052	01/30/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-235	EML U-02 Modified	1.79E-01	4.96E-01	4.96E-01	1.07E+00		pCi/g	2/21/2014	0.10027	170	1		17.5	07	U-235	
14-02048-08	TRG	FEEBRIS05-3.028-029	01/31/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-235	EML U-02 Modified	2.29E+01	1.24E+01	1.25E+01	6.90E+00		pCi/g	2/21/2014	0.010007	170	13.8		17.9	08	U-235	
14-02048-09	TRG	FEEBRIS05-3.029-030	01/31/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-235	EML U-02 Modified	4.31E-01	5.65E-01	5.66E-01	8.62E-01		pCi/g	2/21/2014	0.10008	170	3		17	09	U-235	
14-02048-10	TRG	FEEBRIS05-3.029-030D	01/31/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-235	EML U-02 Modified	-3.66E-02	1.47E-01	1.47E-01	3.76E-01		pCi/g	2/21/2014	0.2003	170	-0.51		15.9	10	U-235	
14-02048-11	TRG	FEEBRIS05-3.033-034	01/31/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-235	EML U-02 Modified	1.77E+00	1.52E+00	1.52E+00	1.49E+00		pCi/g	2/21/2014	0.05034	170	5.66		18.5	11	U-235	
14-02048-12	TRG	FEEBRIS02-2.005-006	02/01/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-235	EML U-02 Modified	1.42E-01	3.41E-01	3.41E-01	7.15E-01		pCi/g	2/21/2014	0.10016	170	0.83		18.2	12	U-235	
14-02048-13	TRG	FEEBRIS02-2.021-022	02/01/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-235	EML U-02 Modified	2.33E-01	2.80E-01	2.81E-01	3.96E-01		pCi/g	2/21/2014	0.20024	170	3.32		17.9	13	U-235	
14-02048-14	TRG	FEEBRIS01-2.024-025	02/03/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-235	EML U-02 Modified	1.09E+00	1.67E+00	1.67E+00	2.48E+00		pCi/g	2/21/2014	0.1004	170	1.83		16.9	14	U-235	
14-02048-15	TRG	FEEBRIS01-2.039-040	02/03/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-235	EML U-02 Modified	1.25E+00	1.08E+00	1.09E+00	1.05E+00		pCi/g	2/21/2014	0.20124	170	5.66		18.7	15	U-235	
14-02048-16	TRG	FEEBRIS01-2.028-029	02/03/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-235	EML U-02 Modified	3.65E-01	5.06E-01	5.07E-01	7.70E-01		pCi/g	2/21/2014	0.10025	170	2.49		18.7	16	U-235	

Eberline Analytical Final Report of Analysis			Report To:						Work Order Details:															
			Dan Feezor Feezor Engineering, Inc. 406 East Walnut Street Chatham, IL 62629						SDG:		14-02048													
									Purchase Order:		BT-026-PO1													
									Analysis Category:		ENVIRONMENTAL													
								Sample Matrix:		SO														
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS		
14-02048-01	LCS	KNOWN	02/11/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-238	EML U-02 Modified	7.84E+00	2.82E-01			pCi/g	2/21/2014	1	170	678		18.3	01	U-238	7.84E+00		
14-02048-01	LCS	SPIKE	02/11/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-238	EML U-02 Modified	7.42E+00	9.37E-01	1.08E+00	7.51E-02	pCi/g	2/21/2014	1	170	678		18.3	01	U-238	7.84E+00		
14-02048-02	MBL	BLANK	02/11/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-238	EML U-02 Modified	-2.50E-03	2.92E-02	2.92E-02	6.13E-02	pCi/g	2/21/2014	1	170.02	-0.17		14.3	02	U-238			
14-02048-03	DUP	FEEBRIS08-1.028-029	01/30/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-238	EML U-02 Modified	4.98E-01	5.40E-01	5.41E-01	6.51E-01	pCi/g	2/21/2014	0.10029	170	3.66		16.8	03	U-238			
14-02048-04	DO	FEEBRIS08-1.028-029	01/30/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-238	EML U-02 Modified	1.31E+00	8.30E-01	8.35E-01	6.57E-01	pCi/g	2/21/2014	0.10029	170.02	10.5		17.7	04	U-238			
14-02048-05	TRG	FEEBRIS08-1.040-041	01/30/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-238	EML U-02 Modified	8.97E-01	6.58E-01	6.62E-01	5.60E-01	pCi/g	2/21/2014	0.10079	170.02	7.66		18.8	05	U-238			
14-02048-06	TRG	FEEBRISWL119.005-006	01/30/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-238	EML U-02 Modified	8.64E-01	7.79E-01	7.82E-01	1.06E+00	pCi/g	2/21/2014	0.15027	170	7.11		13.9	06	U-238			
14-02048-07	TRG	FEEBRISWL119.051-052	01/30/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-238	EML U-02 Modified	5.52E-01	5.71E-01	5.72E-01	6.02E-01	pCi/g	2/21/2014	0.10027	170	3.83		17.5	07	U-238			
14-02048-08	TRG	FEEBRIS05-3.028-029	01/31/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-238	EML U-02 Modified	4.31E+02	6.67E+01	7.35E+01	8.00E+00	pCi/g	2/21/2014	0.010007	170	323		17.9	08	U-238			
14-02048-09	TRG	FEEBRIS05-3.029-030	01/31/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-238	EML U-02 Modified	2.79E+00	1.17E+00	1.19E+00	6.96E-01	pCi/g	2/21/2014	0.10008	170	24		17	09	U-238			
14-02048-10	TRG	FEEBRIS05-3.029-030D	01/31/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-238	EML U-02 Modified	5.50E-01	3.65E-01	3.67E-01	3.04E-01	pCi/g	2/21/2014	0.2003	170	9.49		15.9	10	U-238			
14-02048-11	TRG	FEEBRIS05-3.033-034	01/31/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-238	EML U-02 Modified	9.66E+00	3.26E+00	3.33E+00	1.42E+00	pCi/g	2/21/2014	0.05034	170	38.3		18.5	11	U-238			
14-02048-12	TRG	FEEBRIS02-2.005-006	02/01/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-238	EML U-02 Modified	1.34E+00	8.73E-01	8.78E-01	6.61E-01	pCi/g	2/21/2014	0.10016	170	9.66		18.2	12	U-238			
14-02048-13	TRG	FEEBRIS02-2.021-022	02/01/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-238	EML U-02 Modified	1.26E+00	5.75E-01	5.82E-01	4.86E-01	pCi/g	2/21/2014	0.20024	170	22.3		17.9	13	U-238			
14-02048-14	TRG	FEEBRIS01-2.024-025	02/03/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-238	EML U-02 Modified	2.23E+00	2.16E+00	2.16E+00	2.29E+00	pCi/g	2/21/2014	0.1004	170	4.66		16.9	14	U-238			
14-02048-15	TRG	FEEBRIS01-2.039-040	02/03/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-238	EML U-02 Modified	4.95E+00	2.03E+00	2.06E+00	7.42E-01	pCi/g	2/21/2014	0.20124	170	27.8		18.7	15	U-238			
14-02048-16	TRG	FEEBRIS01-2.028-029	02/03/14 00:00	2/11/2014	2/28/2014	14-02048	Uranium-238	EML U-02 Modified	7.48E-01	6.24E-01	6.26E-01	6.68E-01	pCi/g	2/21/2014	0.10025	170	6.32		18.7	16	U-238			

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:															
			Dan Feezor					SDG:	14-04046														
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1														
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL														
			Chatham, IL 62629					Sample Matrix:	SO														
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	Background CPM
14-04046-02	MBL	BLANK	04/07/14 00:00	4/7/2014	4/10/2014	14-04046	Actinium-227	EML Th-01 Modified	1.05E-01	8.29E-02	8.40E-02	9.78E-02	pCi/g	4/8/2014	1	170	8.13		18.5	02	TH-227		0.011
14-04046-03	DUP	FEEBRIS08-1.028-029	01/30/14 00:00	4/7/2014	4/10/2014	14-04046	Actinium-227	EML Th-01 Modified	1.49E-01	1.53E-01	1.54E-01	2.07E-01	pCi/g	4/8/2014	1.0027	170.02	5.3		19.2	03	TH-227		0.01
14-04046-04	DO	FEEBRIS08-1.028-029	01/30/14 00:00	4/7/2014	4/10/2014	14-04046	Actinium-227	EML Th-01 Modified	1.35E-01	9.07E-02	9.22E-02	9.14E-02	pCi/g	4/8/2014	1.0015	170.02	10.5		20.1	04	TH-227		0.009
14-04046-05	TRG	FEEBRIS08-1.040-041	01/30/14 00:00	4/7/2014	4/10/2014	14-04046	Actinium-227	EML Th-01 Modified	1.82E-01	1.18E-01	1.20E-01	1.05E-01	pCi/g	4/8/2014	1.0023	170.02	11		19.3	05	TH-227		0.006
14-04046-06	TRG	FEEBRISWL119.005-006	01/30/14 00:00	4/7/2014	4/10/2014	14-04046	Actinium-227	EML Th-01 Modified	1.93E-01	1.09E-01	1.12E-01	9.46E-02	pCi/g	4/8/2014	1.0085	170.02	14.5		18.6	06	TH-227		0.009
14-04046-07	TRG	FEEBRISWL119.051-052	01/30/14 00:00	4/7/2014	4/10/2014	14-04046	Actinium-227	EML Th-01 Modified	-1.97E-03	1.20E-01	1.20E-01	2.93E-01	pCi/g	4/8/2014	1.0006	170	-0.06		18.3	07	TH-227		0.018
14-04046-08	TRG	FEEBRIS05-3.029-030D	01/31/14 00:00	4/7/2014	4/10/2014	14-04046	Actinium-227	EML Th-01 Modified	9.04E-02	8.11E-02	8.19E-02	8.64E-02	pCi/g	4/8/2014	1.0142	170	5.49		14.3	08	TH-227		0.003
14-04046-09	TRG	FEEBRIS02-2.005-006	02/01/14 00:00	4/7/2014	4/10/2014	14-04046	Actinium-227	EML Th-01 Modified	1.40E-01	1.07E-01	1.08E-01	1.18E-01	pCi/g	4/8/2014	1.0118	170	8.47		16.8	09	TH-227		0.009
14-04046-10	TRG	FEEBRIS02-2.021-022	02/01/14 00:00	4/7/2014	4/10/2014	14-04046	Actinium-227	EML Th-01 Modified	1.44E-01	1.03E-01	1.05E-01	1.01E-01	pCi/g	4/8/2014	1.0098	170	8.98		17.7	10	TH-227		0.006
14-04046-11	TRG	FEEBRIS01-2.024-025	02/03/14 00:00	4/7/2014	4/10/2014	14-04046	Actinium-227	EML Th-01 Modified	2.25E-01	1.30E-01	1.33E-01	1.15E-01	pCi/g	4/8/2014	1.0024	170.02	14.3		18.8	11	TH-227		0.01
14-04046-12	TRG	FEEBRIS01-2.028-029	02/03/14 00:00	4/7/2014	4/10/2014	14-04046	Actinium-227	EML Th-01 Modified	7.14E-02	8.66E-02	8.70E-02	1.21E-01	pCi/g	4/8/2014	1.0008	170	3.32		13.9	12	TH-227		0.004
14-04046-01	LCS	KNOWN	04/07/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-230	EML Th-01 Modified	5.44E+00	1.47E-01			pCi/g	4/8/2014	1	170	459		17.4	01	TH-230	5.4383	0.008
14-04046-01	LCS	SPIKE	04/07/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-230	EML Th-01 Modified	6.65E+00	1.03E+00	1.32E+00	9.94E-02	pCi/g	4/8/2014	1	170	459		17.4	01	TH-230	5.4383	0.008
14-04046-02	MBL	BLANK	04/07/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-230	EML Th-01 Modified	6.26E-02	6.77E-02	6.82E-02	9.83E-02	pCi/g	4/8/2014	1	170	4.96		18.5	02	TH-230		0.012
14-04046-03	DUP	FEEBRIS08-1.028-029	01/30/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-230	EML Th-01 Modified	2.56E+00	7.72E-01	8.34E-01	1.94E-01	pCi/g	4/8/2014	1.0027	170.02	93.5		19.2	03	TH-230		0.009
14-04046-04	DO	FEEBRIS08-1.028-029	01/30/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-230	EML Th-01 Modified	1.81E+00	4.08E-01	4.65E-01	8.23E-02	pCi/g	4/8/2014	1.0015	170.02	145		20.1	04	TH-230		0.007
14-04046-05	TRG	FEEBRIS08-1.040-041	01/30/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-230	EML Th-01 Modified	1.57E+00	4.14E-01	4.58E-01	9.09E-02	pCi/g	4/8/2014	1.0023	170.02	97.3		19.3	05	TH-230		0.004
14-04046-06	TRG	FEEBRISWL119.005-006	01/30/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-230	EML Th-01 Modified	1.38E+00	3.42E-01	3.83E-01	7.73E-02	pCi/g	4/8/2014	1.0085	170.02	107		18.6	06	TH-230		0.005
14-04046-07	TRG	FEEBRISWL119.051-052	01/30/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-230	EML Th-01 Modified	5.71E-01	3.12E-01	3.20E-01	2.48E-01	pCi/g	4/8/2014	1.0006	170	18		18.3	07	TH-230		0.012
14-04046-08	TRG	FEEBRIS05-3.029-030D	01/31/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-230	EML Th-01 Modified	9.35E-01	2.90E-01	3.12E-01	8.39E-02	pCi/g	4/8/2014	1.0142	170	58.5		14.3	08	TH-230		0.003
14-04046-09	TRG	FEEBRIS02-2.005-006	02/01/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-230	EML Th-01 Modified	1.24E+00	3.55E-01	3.86E-01	1.18E-01	pCi/g	4/8/2014	1.0118	170	77.3		16.8	09	TH-230		0.01
14-04046-10	TRG	FEEBRIS02-2.021-022	02/01/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-230	EML Th-01 Modified	1.36E+00	3.68E-01	4.05E-01	8.15E-02	pCi/g	4/8/2014	1.0098	170	87.5		17.7	10	TH-230		0.003
14-04046-11	TRG	FEEBRIS01-2.024-025	02/03/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-230	EML Th-01 Modified	3.41E+00	7.30E-01	8.42E-01	8.60E-02	pCi/g	4/8/2014	1.0024	170.02	223		18.8	11	TH-230		0.004
14-04046-12	TRG	FEEBRIS01-2.028-029	02/03/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-230	EML Th-01 Modified	1.38E+00	4.29E-01	4.62E-01	1.18E-01	pCi/g	4/8/2014	1.0008	170	66.3		13.9	12	TH-230		0.004

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:															
			Dan Feezor Feezor Engineering, Inc. 406 East Walnut Street Chatham, IL 62629					SDG:		14-04046													
								Purchase Order:		BT-026-PO1													
								Analysis Category:		ENVIRONMENTAL													
								Sample Matrix:		SO													
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	Background CPM
14-04046-01	LCS	KNOWN	04/07/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-232	EML Th-01 Modified	4.83E+00	1.74E-01				4/8/2014	1	170	373		17.4	01	TH-232	4.8328	0.003
14-04046-01	LCS	SPIKE	04/07/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-232	EML Th-01 Modified	5.41E+00	8.67E-01	9.90E-01	7.59E-02	pCi/g	4/8/2014	1	170	373		17.4	01	TH-232	4.8328	0.003
14-04046-02	MBL	BLANK	04/07/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-232	EML Th-01 Modified	3.97E-02	5.06E-02	5.07E-02	7.54E-02	pCi/g	4/8/2014	1	170	3.15		18.5	02	TH-232		0.005
14-04046-03	DUP	FEEBRIS08-1.028-029	01/30/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-232	EML Th-01 Modified	9.91E-01	3.97E-01	4.07E-01	2.00E-01	pCi/g	4/8/2014	1.0027	170.02	36.3		19.2	03	TH-232		0.01
14-04046-04	DO	FEEBRIS08-1.028-029	01/30/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-232	EML Th-01 Modified	8.83E-01	2.47E-01	2.59E-01	5.20E-02	pCi/g	4/8/2014	1.0015	170.02	70.8		20.1	04	TH-232		0.001
14-04046-05	TRG	FEEBRIS08-1.040-041	01/30/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-232	EML Th-01 Modified	1.31E+00	3.65E-01	3.83E-01	7.69E-02	pCi/g	4/8/2014	1.0023	170.02	81.7		19.3	05	TH-232		0.002
14-04046-06	TRG	FEEBRISWL119.005-006	01/30/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-232	EML Th-01 Modified	1.29E+00	3.24E-01	3.43E-01	6.17E-02	pCi/g	4/8/2014	1.0085	170.02	99.7		18.6	06	TH-232		0.002
14-04046-07	TRG	FEEBRISWL119.051-052	01/30/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-232	EML Th-01 Modified	5.50E-01	2.95E-01	2.99E-01	1.79E-01	pCi/g	4/8/2014	1.0006	170	17.3		18.3	07	TH-232		0.004
14-04046-08	TRG	FEEBRIS05-3.029-030D	01/31/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-232	EML Th-01 Modified	4.47E-01	1.85E-01	1.90E-01	9.57E-02	pCi/g	4/8/2014	1.0142	170	28		14.3	08	TH-232		0
14-04046-09	TRG	FEEBRIS02-2.005-006	02/01/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-232	EML Th-01 Modified	8.91E-01	2.82E-01	2.93E-01	8.42E-02	pCi/g	4/8/2014	1.0118	170	55.5		16.8	09	TH-232		0.003
14-04046-10	TRG	FEEBRIS02-2.021-022	02/01/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-232	EML Th-01 Modified	1.25E+00	3.48E-01	3.65E-01	6.47E-02	pCi/g	4/8/2014	1.0098	170	80.8		17.7	10	TH-232		0.001
14-04046-11	TRG	FEEBRIS01-2.024-025	02/03/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-232	EML Th-01 Modified	1.34E+00	3.60E-01	3.79E-01	6.35E-02	pCi/g	4/8/2014	1.0024	170.02	87.8		18.8	11	TH-232		0.001
14-04046-12	TRG	FEEBRIS01-2.028-029	02/03/14 00:00	4/7/2014	4/10/2014	14-04046	Thorium-232	EML Th-01 Modified	7.15E-01	2.82E-01	2.89E-01	1.53E-01	pCi/g	4/8/2014	1.0008	170	34.3		13.9	12	TH-232		0.01

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:																									
			Dan Feezor Feezor Engineering, Inc. 406 East Walnut Street Chatham, IL 62629					SDG:	14-04075 Revised																								
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	Background CPM										
14-04075-01	LCS	KNOWN	04/10/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-234	EML U-02 Modified	8.07E+00	2.90E-01				pCi/g	4/11/2014	1	170	396		17.5	01	U-234	8.0687	0.0010									
14-04075-01	LCS	SPIKE	04/10/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-234	EML U-02 Modified	7.41E+00	1.19E+00	1.30E+00	7.82E-02		pCi/g	4/11/2014	1	170	396		17.5	01	U-234	8.0687	0.0010									
14-04075-02	MBL	BLANK	04/10/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-234	EML U-02 Modified	6.11E-02	5.90E-02	5.92E-02	7.32E-02		pCi/g	4/11/2014	1	170	5		18.2	02	U-234		0.0000									
14-04075-03	DUP	FEEBRIS08-1.028-029	01/30/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-234	EML U-02 Modified	8.88E-01	2.22E-01	2.31E-01	4.95E-02		pCi/g	4/11/2014	1.0081	170	74.8		17.3	03	U-234		0.0010									
14-04075-04	DO	FEEBRIS08-1.028-029	01/30/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-234	EML U-02 Modified	8.61E-01	2.27E-01	2.36E-01	6.18E-02		pCi/g	4/11/2014	1.002	170	66.7		16.3	04	U-234		0.0020									
14-04075-05	TRG	FEEBRIS08-1.040-041	01/30/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-234	EML U-02 Modified	8.39E-01	2.26E-01	2.34E-01	7.36E-02		pCi/g	4/11/2014	1.0002	170	64.3		15.9	05	U-234		0.0040									
14-04075-06	TRG	FEEBRISWL119.005-006	01/30/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-234	EML U-02 Modified	1.02E+00	2.60E-01	2.70E-01	9.09E-02		pCi/g	4/11/2014	1.0002	170	73.8		18.5	06	U-234		0.0070									
14-04075-07	TRG	FEEBRISWL119.051-052	01/30/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-234	EML U-02 Modified	4.08E-01	1.37E-01	1.40E-01	5.18E-02		pCi/g	4/11/2014	1.0023	170	37.7		18.2	07	U-234		0.0020									
14-04075-08	TRG	FEEBRIS05-3.029-030	01/31/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-234	EML U-02 Modified	2.86E+00	4.58E-01	5.01E-01	6.33E-02		pCi/g	4/11/2014	1.007	170	255		19	08	U-234		0.0040									
14-04075-09	TRG	FEEBRIS05-3.029-030D	01/31/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-234	EML U-02 Modified	6.23E-01	1.95E-01	2.00E-01	7.19E-02		pCi/g	4/11/2014	1.0017	170	45.5		16.9	09	U-234		0.0030									
14-04075-10	TRG	FEEBRIS05-3.033-034	01/31/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-234	EML U-02 Modified	1.24E+01	1.68E+00	1.90E+00	6.47E-02		pCi/g	4/11/2014	1.0009	170	800		16.9	10	U-234		0.0010									
14-04075-11	TRG	FEEBRIS02-2.005-006	02/01/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-234	EML U-02 Modified	9.85E-01	2.35E-01	2.45E-01	4.90E-02		pCi/g	4/11/2014	1.0053	170	83.8		18.9	11	U-234		0.0010									
14-04075-12	TRG	FEEBRIS02-2.021-022	02/01/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-234	EML U-02 Modified	9.11E-01	2.28E-01	2.37E-01	6.82E-02		pCi/g	4/11/2014	1.0105	170	75.3		18.7	12	U-234		0.0040									
14-04075-13	TRG	FEEBRIS01-2.024-025	02/03/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-234	EML U-02 Modified	7.56E-01	2.19E-01	2.26E-01	5.86E-02		pCi/g	4/11/2014	1.0004	170	53.8		17.3	13	U-234		0.0010									
14-04075-14	TRG	FEEBRIS01-2.039-040	02/03/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-234	EML U-02 Modified	3.56E+00	6.17E-01	6.68E-01	6.40E-02		pCi/g	4/11/2014	0.9993	170	232		16.9	14	U-234		0.0010									
14-04075-15	TRG	FEEBRIS01-2.028-029	02/03/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-234	EML U-02 Modified	7.26E-01	2.16E-01	2.22E-01	5.96E-02		pCi/g	4/11/2014	1.0007	170	50.8		17.8	15	U-234		0.0010									
14-04075-01	LCS	SPIKE	04/10/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-235	EML U-02 Modified	4.58E-01	2.11E-01	2.13E-01	9.64E-02		pCi/g	4/11/2014	1	170	19.8		17.5	01	U-235		0.0010									
14-04075-02	MBL	BLANK	04/10/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-235	EML U-02 Modified	1.25E-02	3.00E-02	3.00E-02	6.29E-02		pCi/g	4/11/2014	1	170	0.83		18.2	02	U-235		0.0010									
14-04075-03	DUP	FEEBRIS08-1.028-029	01/30/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-235	EML U-02 Modified	1.15E-01	8.22E-02	8.26E-02	6.11E-02		pCi/g	4/11/2014	1.0081	170	7.83		17.3	03	U-235		0.0010									
14-04075-04	DO	FEEBRIS08-1.028-029	01/30/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-235	EML U-02 Modified	1.09E-01	8.37E-02	8.40E-02	6.65E-02		pCi/g	4/11/2014	1.002	170	6.83		16.3	04	U-235		0.0010									
14-04075-05	TRG	FEEBRIS08-1.040-041	01/30/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-235	EML U-02 Modified	7.78E-02	7.13E-02	7.15E-02	6.72E-02		pCi/g	4/11/2014	1.0002	170	4.83		15.9	05	U-235		0.0010									
14-04075-06	TRG	FEEBRISWL119.005-006	01/30/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-235	EML U-02 Modified	1.79E-01	1.13E-01	1.14E-01	8.93E-02		pCi/g	4/11/2014	1.0002	170	10.5		18.5	06	U-235		0.0030									
14-04075-07	TRG	FEEBRISWL119.051-052	01/30/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-235	EML U-02 Modified	6.23E-02	5.93E-02	5.95E-02	6.40E-02		pCi/g	4/11/2014	1.0023	170	4.66		18.2	07	U-235		0.0020									
14-04075-08	TRG	FEEBRIS05-3.029-030	01/31/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-235	EML U-02 Modified	1.87E-01	1.04E-01	1.04E-01	7.26E-02		pCi/g	4/11/2014	1.007	170	13.5		19	08	U-235		0.0030									
14-04075-09	TRG	FEEBRIS05-3.029-030D	01/31/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-235	EML U-02 Modified	6.76E-02	7.45E-02	7.46E-02	1.01E-01		pCi/g	4/11/2014	1.0017	170	4		16.9	09	U-235		0.0000									
14-04075-10	TRG	FEEBRIS05-3.033-034	01/31/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-235	EML U-02 Modified	7.04E-01	2.42E-01	2.47E-01	7.98E-02		pCi/g	4/11/2014	1.0009	170	36.8		16.9	10	U-235		0.0010									
14-04075-11	TRG	FEEBRIS02-2.005-006	02/01/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-235	EML U-02 Modified	1.01E-01	8.10E-02	8.13E-02	8.69E-02		pCi/g	4/11/2014	1.0053	170	7		18.9	11	U-235		0.0000									
14-04075-12	TRG	FEEBRIS02-2.021-022	02/01/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-235	EML U-02 Modified	6.95E-02	6.62E-02	6.63E-02	7.13E-02		pCi/g	4/11/2014	1.0105	170	4.66		18.7	12	U-235		0.0020									
14-04075-13	TRG	FEEBRIS01-2.024-025	02/03/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-235	EML U-02 Modified	1.36E-01	9.74E-02	9.79E-02	7.23E-02		pCi/g	4/11/2014	1.0004	170	7.83		17.3	13	U-235		0.0010									
14-04075-14	TRG	FEEBRIS01-2.039-040	02/03/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-235	EML U-02 Modified	3.37E-01	1.62E-01	1.64E-01	7.90E-02		pCi/g	4/11/2014	0.9993	170	17.8		16.9	14	U-235		0.0010									
14-04075-15	TRG	FEEBRIS01-2.028-029	02/03/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-235	EML U-02 Modified	8.81E-02	8.51E-02	8.54E-02	1.06E-01		pCi/g	4/11/2014	1.0007	170	5		17.8	15	U-235		0.0000									

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								Purchase Order:	BT-026-PO1														
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								Sample Matrix:	SO														
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	Background CPM
14-04075-01	LCS	KNOWN	04/10/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-238	EML U-02 Modified	7.86E+00	2.83E-01			pCi/g	4/11/2014	1	170	390		17.5	01	U-238	7.8649	0.0020
14-04075-01	LCS	SPIKE	04/10/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-238	EML U-02 Modified	7.27E+00	1.17E+00	1.28E+00	8.92E-02	pCi/g	4/11/2014	1	170	390		17.5	01	U-238	7.8649	0.0020
14-04075-02	MBL	BLANK	04/10/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-238	EML U-02 Modified	2.02E-02	3.43E-02	3.43E-02	5.82E-02	pCi/g	4/11/2014	1	170	1.66		18.2	02	U-238		0.0020
14-04075-03	DUP	FEEBRIS08-1.028-029	01/30/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-238	EML U-02 Modified	8.09E-01	2.10E-01	2.18E-01	6.20E-02	pCi/g	4/11/2014	1.0081	170	68.5		17.3	03	U-238		0.0030
14-04075-04	DO	FEEBRIS08-1.028-029	01/30/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-238	EML U-02 Modified	9.11E-01	2.34E-01	2.43E-01	5.37E-02	pCi/g	4/11/2014	1.002	170	70.8		16.3	04	U-238		0.0010
14-04075-05	TRG	FEEBRIS08-1.040-041	01/30/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-238	EML U-02 Modified	9.98E-01	2.49E-01	2.59E-01	5.42E-02	pCi/g	4/11/2014	1.0002	170	76.8		15.9	05	U-238		0.0010
14-04075-06	TRG	FEEBRISWL119.005-006	01/30/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-238	EML U-02 Modified	9.57E-01	2.49E-01	2.58E-01	6.57E-02	pCi/g	4/11/2014	1.0002	170	69.7		18.5	06	U-238		0.0020
14-04075-07	TRG	FEEBRISWL119.051-052	01/30/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-238	EML U-02 Modified	4.19E-01	1.39E-01	1.42E-01	4.51E-02	pCi/g	4/11/2014	1.0023	170	38.8		18.2	07	U-238		0.0010
14-04075-08	TRG	FEEBRIS05-3.029-030	01/31/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-238	EML U-02 Modified	2.51E+00	4.19E-01	4.56E-01	1.02E-01	pCi/g	4/11/2014	1.007	170	225		19	08	U-238		0.0190
14-04075-09	TRG	FEEBRIS05-3.029-030D	01/31/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-238	EML U-02 Modified	5.57E-01	1.84E-01	1.89E-01	8.99E-02	pCi/g	4/11/2014	1.0017	170	40.8		16.9	09	U-238		0.0070
14-04075-10	TRG	FEEBRIS05-3.033-034	01/31/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-238	EML U-02 Modified	1.19E+01	1.63E+00	1.84E+00	7.37E-02	pCi/g	4/11/2014	1.0009	170	775		16.9	10	U-238		0.0020
14-04075-11	TRG	FEEBRIS02-2.005-006	02/01/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-238	EML U-02 Modified	8.65E-01	2.18E-01	2.27E-01	7.01E-02	pCi/g	4/11/2014	1.0053	170	74		18.9	11	U-238		0.0000
14-04075-12	TRG	FEEBRIS02-2.021-022	02/01/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-238	EML U-02 Modified	7.66E-01	2.06E-01	2.13E-01	5.76E-02	pCi/g	4/11/2014	1.0105	170	63.7		18.7	12	U-238		0.0020
14-04075-13	TRG	FEEBRIS01-2.024-025	02/03/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-238	EML U-02 Modified	1.20E+00	2.88E-01	3.00E-01	7.34E-02	pCi/g	4/11/2014	1.0004	170	85.5		17.3	13	U-238		0.0030
14-04075-14	TRG	FEEBRIS01-2.039-040	02/03/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-238	EML U-02 Modified	3.84E+00	6.53E-01	7.08E-01	7.30E-02	pCi/g	4/11/2014	0.9993	170	252		16.9	14	U-238		0.0020
14-04075-15	TRG	FEEBRIS01-2.028-029	02/03/14 00:00	4/10/2014	4/16/2014	14-04075	Uranium-238	EML U-02 Modified	5.71E-01	1.90E-01	1.94E-01	8.51E-02	pCi/g	4/11/2014	1.0007	170	40.2		17.8	15	U-238		0.0050

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original



FROM: Cecilia Greene

TO: Mr. Dan Feezor, Feezor Engineering

CC: Mr. Paul Rosasco

DATE: 06/06/2014

RE: Transmittal of Validated Results for Eberline Work Orders 14-02048, 14-04046 and 14-04075

Eberline Services of Oak Ridge, TN has completed their analysis of the Phase 1 subsurface soil samples in Eberline Work Orders 14-02048, 14-04046 and 14-04075. The validated results are summarized in Table 1.

The laboratory quality control samples were validated using MARLAP criteria. All laboratory control samples fell within acceptable control limits with the exception of the protactinium-231 duplicate analysis. Protactinium-231 did not pass the MARLAP duplicate test, which requires the use of the method uncertainty in determining the control limits. Protactinium-231 has a very low method uncertainty. All other duplicate analyses for gamma spectroscopy pass the test. This condition does not constitute a non-conformance to the measurement quality objectives.

A complete verification of all of the laboratory calculations was performed. 97% of the calculated results were within $\pm 10\%$ of the laboratory results. We were unable to reproduce the results of 2 protactinium-231, 1 actinium-228 2, and lead-210 results with the information supplied by the laboratory. This is probably due to complex spectral de-convoluting operations performed by the spectroscopy software.

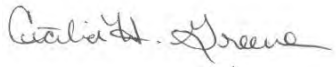
Sample FEEBRIS 05-3.028-029 contained elevated levels of uranium, and samples FEEBRIS 01-2.039-040, FEEBRIS 05-3.028-029, FEEBRIS 05-3.029-030 and FEEBRIS 05-3.033-034 contained elevated levels of thorium. The laboratory did not separate the elevated samples from the non-elevated samples during the screening process. The aliquots for all of the samples in 14-02048 were reduced which resulted in increased combined standard uncertainties and minimum detectable activities, and Q and J qualifiers. Samples that did not contain elevated activity were re-analyzed using standard aliquots for thorium in work order 14-04046 and for uranium in work order 14-04075. The uranium and thorium results for the elevated samples, and the gamma results, are found in 14-02048 since those samples did not require reanalysis. The samples for all three work orders have been merged for this validation report.

A non-detect result (U qualifiers) is determined by considering the analytical result and its uncertainty vs. the critical value as supplied by the laboratory. The CSU was not considered when applying the U qualifier for those samples that were analyzed with reduced aliquots (very high CSU).

The low abundance of the gamma lines used to identify and quantify protactinium-231 and lead-210 resulted in numerous J and Q (Combined Standard Uncertainty > Required Method Uncertainty) qualifiers. This condition increased the counting and combined standard uncertainty, and the minimum detectable activity. This condition does not constitute a non-conformance to the measurement quality objectives.

The full laboratory Level IV report of analysis will be retained at Auxier & Associates offices in Knoxville, TN where it is available for inspection upon request. Should you require additional information or further clarification, please contact me or Mr. Michael Bollenbacher at (865) 675-3669.

Sincerely,

A handwritten signature in dark ink, appearing to read "Cecilia H. Greene". The signature is fluid and cursive, with the first name "Cecilia" being more prominent.

Cecilia H. Greene, MPH, NRRPT
Auxier & Associates, Inc.
9821 Cogdill Road, Suite 1
Knoxville, TN 37932

cgreene@auxier.com

(865) 675-3669 office

(865) 675-3677 fax

(865) 621-3076 cell

Health Physics and Environmental Radiation Consulting
A USA Environment, L.P. Company

Sample ID	Uranium-234 (pCi/g)	Uranium-235 (pCi/g)	Uranium-238 (pCi/g)	Thorium-230 (pCi/g)	Thorium-232 (pCi/g)	Actinium-227 (pCi/g)
Analytical Method	EML U-02 Modified	EML U-02 Modified	EML U-02 Modified	EML Th-01 Modified	EML Th-01 Modified	EML Th-01 Modified
FEEBRIS01-2.024-025	0.76 ± 0.23 {-}	0.14 ± 0.10 {-}	1.20 ± 0.30 {-}	3.41 ± 0.84 {-}	1.34 ± 0.38 {-}	0.22 ± 0.13 {-}
FEEBRIS01-2.028-029	0.73 ± 0.22 {-}	0.09 ± 0.09 {-}	0.57 ± 0.19 {-}	1.38 ± 0.46 {-}	0.71 ± 0.29 {-}	< 0.02 (0.07 ± 0.09) {U}
FEEBRIS01-2.039-040	3.56 ± 0.67 {-}	0.34 ± 0.16 {-}	3.84 ± 0.71 {-}	416.66 ± 123.32 {QJ}	5.23 ± 2.46 {QJ}	3.56 ± 1.96 {Q}
FEEBRIS02-2.005-006	0.98 ± 0.25 {-}	0.10 ± 0.08 {-}	0.87 ± 0.23 {-}	1.24 ± 0.39 {-}	0.89 ± 0.29 {-}	0.14 ± 0.11 {-}
FEEBRIS02-2.021-022	0.91 ± 0.24 {-}	< 0.005 (0.07 ± 0.07) {U}	0.77 ± 0.21 {-}	1.36 ± 0.40 {-}	1.25 ± 0.36 {-}	0.14 ± 0.10 {-}
FEEBRIS05-3.028-029	428.67 ± 73.20 {J}	22.87 ± 12.50 {QJ}	431.06 ± 73.50 {J}	25824.84 ± 7537.87 {QJ}	202.82 ± 78.56 {QJ}	290.76 ± 107.62 {QJ}
FEEBRIS05-3.029-030	2.86 ± 0.50 {-}	0.19 ± 0.10 {-}	2.51 ± 0.46 {-}	443.57 ± 97.72 {QJ}	6.76 ± 2.48 {QJ}	3.84 ± 1.82 {QJ}
FEEBRIS05-3.029-030D	0.62 ± 0.20 {-}	< 0.001 (0.07 ± 0.07) {U}	0.56 ± 0.19 {-}	0.94 ± 0.31 {-}	0.45 ± 0.19 {-}	< 0.01 (0.09 ± 0.08) {U}
FEEBRIS05-3.033-034	12.39 ± 1.90 {-}	0.70 ± 0.25 {Q}	11.95 ± 1.84 {-}	1814.71 ± 559.10 {QJ}	14.41 ± 8.16 {QJ}	20.75 ± 10.63 {QJ}
FEEBRIS08-1.028-029	0.86 ± 0.24 {-}	0.11 ± 0.08 {-}	0.91 ± 0.24 {-}	1.81 ± 0.46 {-}	0.88 ± 0.26 {-}	0.13 ± 0.09 {-}
FEEBRIS08-1.040-041	0.84 ± 0.23 {-}	0.08 ± 0.07 {-}	1.00 ± 0.26 {-}	1.57 ± 0.46 {-}	1.31 ± 0.38 {-}	0.18 ± 0.12 {-}
FEEBRISWL119.005-006	1.02 ± 0.27 {-}	0.18 ± 0.11 {-}	0.96 ± 0.26 {-}	1.38 ± 0.38 {-}	1.29 ± 0.34 {-}	0.19 ± 0.11 {-}
FEEBRISWL119.051-052	0.41 ± 0.14 {-}	< 0.005 (0.06 ± 0.06) {U}	0.42 ± 0.14 {-}	0.57 ± 0.32 {-}	0.55 ± 0.30 {-}	< 0.1 (-0.01 ± 0.12) {U}

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

- Validated, no qualifiers assigned

Sample ID	Protactinium-231 (pCi/g)	Radium-228 (pCi/g)	Radium-226 (pCi/g)	Lead-210 (pCi/g)	Potassium-40 (pCi/g)
Analytical Method	LANL 130 Modified	LANL 130 Modified	LANL 130 Modified	LANL 130 Modified	LANL 130 Modified
FEEBRIS01-2.024-025	< 1.08 (0.31 ± 0.69) {UQJ}	1.13 ± 0.20 {-}	1.36 ± 0.20 {-}	< 1.03 (1.27 ± 1.27) {UQJ}	18.33 ± 2.45 {-}
FEEBRIS01-2.028-029	< 1.2 (0.31 ± 1.67) {UQJ}	< 0.23 (0.35 ± 0.20) {U}	0.61 ± 0.16 {-}	< 1.17 (1.38 ± 1.45) {UQJ}	5.91 ± 1.26 {-}
FEEBRIS01-2.039-040	< 1.56 (-0.19 ± 2.04) {UQJ}	1.28 ± 0.37 {J}	4.98 ± 0.48 {-}	3.14 ± 1.29 {QJ}	16.92 ± 2.37 {-}
FEEBRIS02-2.005-006	< 0.95 (-0.18 ± 0.63) {UQJ}	1.14 ± 0.19 {-}	0.99 ± 0.16 {-}	< 0.69 (1.09 ± 1.06) {UQJ}	17.56 ± 2.31 {-}
FEEBRIS02-2.021-022	< 1.39 (-0.49 ± 0.99) {UQJ}	1.44 ± 0.28 {J}	1.17 ± 0.21 {-}	< 1.34 (2.64 ± 1.68) {UQJ}	21.04 ± 3.07 {-}
FEEBRIS05-3.028-029	1681.18 ± 185.84 {J}	19.82 ± 6.41 {QJ}	1487.21 ± 121.47 {J}	262.56 ± 51.47 {QJ}	18.57 ± 20.54 {QJ}
FEEBRIS05-3.029-030	< 1.83 (-0.15 ± 2.41) {UQJ}	1.19 ± 0.28 {J}	5.60 ± 0.55 {-}	5.52 ± 1.91 {QJ}	15.86 ± 2.19 {-}
FEEBRIS05-3.029-030D	< 1.12 (1.35 ± 1.50) {UQJ}	< 0.21 (0.36 ± 0.21) {U}	0.44 ± 0.12 {-}	< 0.48 (0.64 ± 0.65) {U}	11.70 ± 1.90 {-}
FEEBRIS05-3.033-034	31.25 ± 5.42 {J}	1.96 ± 0.43 {J}	32.62 ± 2.44 {J}	25.30 ± 4.15 {J}	14.73 ± 3.81 {QJ}
FEEBRIS08-1.028-029	< 1.41 (0.53 ± 0.70) {UQJ}	0.88 ± 0.19 {J}	1.27 ± 0.21 {-}	< 0.98 (1.71 ± 1.19) {UQJ}	8.35 ± 1.58 {-}
FEEBRIS08-1.040-041	< 1.1 (0.03 ± 1.42) {UQJ}	1.59 ± 0.27 {-}	1.49 ± 0.22 {-}	< 0.95 (1.64 ± 1.19) {UQJ}	21.13 ± 2.70 {-}
FEEBRISWL119.005-006	< 1.14 (0.03 ± 1.50) {UQJ}	1.39 ± 0.23 {-}	1.35 ± 0.19 {-}	< 0.76 (1.67 ± 1.13) {UQJ}	15.65 ± 2.13 {-}
FEEBRISWL119.051-052	< 0.67 (0.34 ± 0.83) {UQJ}	0.52 ± 0.12 {-}	0.40 ± 0.09 {-}	< 0.45 (0.52 ± 0.56) {U}	16.33 ± 2.03 {-}

U - Result is less than the Critical Value
 Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty/Relative Standard Uncertainty
 J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result
 - Validated, no qualifiers assigned

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:															
			Dan Feezor					SDG:		14-03004													
			Feezor Engineering, Inc.					Purchase Order:		BT-026-PO1													
			406 East Walnut Street					Analysis Category:		ENVIRONMENTAL													
			Chatham, IL 62629					Sample Matrix:		SO													
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	
14-03004-01	LCS	KNOWN	03/03/14 00:00	3/3/2014	4/3/2014	14-03004	Cobalt-60	LANL ER-130 Modified	1.30E+02	5.22E+00			pCi/g	3/4/2014	1	30				01	CO-60	130.4300	
14-03004-01	LCS	KNOWN	03/03/14 00:00	3/3/2014	4/3/2014	14-03004	Cesium-137	LANL ER-130 Modified	8.30E+01	3.32E+00			pCi/g	3/4/2014	1	30				01	CS-137	82.9600	
14-03004-01	LCS	SPIKE	03/03/14 00:00	3/3/2014	4/3/2014	14-03004	Cobalt-60	LANL ER-130 Modified	1.35E+02	8.82E+00	1.12E+01	1.44E+00	pCi/g	3/4/2014	1	30				01	CO-60	130.4300	
14-03004-01	LCS	SPIKE	03/03/14 00:00	3/3/2014	4/3/2014	14-03004	Cesium-137	LANL ER-130 Modified	8.93E+01	8.26E+00	9.44E+00	2.15E+00	pCi/g	3/4/2014	1	30				01	CS-137	82.9600	
14-03004-02	MBL	BLANK	03/03/14 00:00	3/3/2014	4/3/2014	14-03004	Actinium-228	LANL ER-130 Modified	1.05E-01	1.23E-01	1.23E-01	2.63E-01	pCi/g	3/4/2014	1	60				02	AC-228		
14-03004-02	MBL	BLANK	03/03/14 00:00	3/3/2014	4/3/2014	14-03004	Bismuth-214	LANL ER-130 Modified	1.68E-02	3.44E-02	3.44E-02	1.50E-01	pCi/g	3/4/2014	1	60				02	BI-214		
14-03004-02	MBL	BLANK	03/03/14 00:00	3/3/2014	4/3/2014	14-03004	Potassium-40	LANL ER-130 Modified	2.40E-01	4.13E-01	4.13E-01	8.39E-01	pCi/g	3/4/2014	1	60				02	K-40		
14-03004-02	MBL	BLANK	03/03/14 00:00	3/3/2014	4/3/2014	14-03004	Protactinium-231	LANL ER-130 Modified	6.92E-01	1.09E+00	1.09E+00	1.76E+00	pCi/g	3/4/2014	1	60				02	PA-231		
14-03004-02	MBL	BLANK	03/03/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-210	LANL ER-130 Modified	1.06E-01	5.23E-01	5.24E-01	7.87E-01	pCi/g	3/4/2014	1	60				02	PB-210		
14-03004-02	MBL	BLANK	03/03/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-214	LANL ER-130 Modified	4.12E-02	9.40E-02	9.40E-02	1.35E-01	pCi/g	3/4/2014	1	60				02	PB-214		
14-03004-03	DUP	FEEBRICS.021314	02/13/14 00:00	3/3/2014	4/3/2014	14-03004	Actinium-228	LANL ER-130 Modified	8.87E-01	1.83E-01	1.88E-01	6.52E-01	pCi/g	3/4/2014	613.97	60				03	AC-228		
14-03004-03	DUP	FEEBRICS.021314	02/13/14 00:00	3/3/2014	4/3/2014	14-03004	Bismuth-214	LANL ER-130 Modified	1.09E+00	1.64E-01	1.73E-01	2.02E-01	pCi/g	3/4/2014	613.97	60				03	BI-214		
14-03004-03	DUP	FEEBRICS.021314	02/13/14 00:00	3/3/2014	4/3/2014	14-03004	Potassium-40	LANL ER-130 Modified	1.53E+01	2.14E+00	2.27E+00	1.16E+00	pCi/g	3/4/2014	613.97	60				03	K-40		
14-03004-03	DUP	FEEBRICS.021314	02/13/14 00:00	3/3/2014	4/3/2014	14-03004	Protactinium-231	LANL ER-130 Modified	9.79E-01	1.60E+00	1.60E+00	2.45E+00	pCi/g	3/4/2014	613.97	60				03	PA-231		
14-03004-03	DUP	FEEBRICS.021314	02/13/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-210	LANL ER-130 Modified	1.43E+00	1.04E+00	1.04E+00	1.74E+00	pCi/g	3/4/2014	613.97	60				03	PB-210		
14-03004-03	DUP	FEEBRICS.021314	02/13/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-212	LANL ER-130 Modified	1.00E+00	1.31E-01	1.41E-01	2.15E-01	pCi/g	3/4/2014	613.97	60				03	PB-212		
14-03004-03	DUP	FEEBRICS.021314	02/13/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-214	LANL ER-130 Modified	1.13E+00	1.62E-01	1.72E-01	1.70E-01	pCi/g	3/4/2014	613.97	60				03	PB-214		
14-03004-03	DUP	FEEBRICS.021314	02/13/14 00:00	3/3/2014	4/3/2014	14-03004	Thallium-208	LANL ER-130 Modified	7.58E-01	1.73E-01	1.78E-01	1.13E-01	pCi/g	3/4/2014	613.97	60				03	TL-208		
14-03004-04	DO	FEEBRICS.021314	02/13/14 00:00	3/3/2014	4/3/2014	14-03004	Actinium-228	LANL ER-130 Modified	7.20E-01	1.77E-01	1.81E-01	4.25E-01	pCi/g	3/4/2014	613.97	60				04	AC-228		
14-03004-04	DO	FEEBRICS.021314	02/13/14 00:00	3/3/2014	4/3/2014	14-03004	Bismuth-214	LANL ER-130 Modified	1.13E+00	1.85E-01	1.94E-01	1.92E-01	pCi/g	3/4/2014	613.97	60				04	BI-214		
14-03004-04	DO	FEEBRICS.021314	02/13/14 00:00	3/3/2014	4/3/2014	14-03004	Potassium-40	LANL ER-130 Modified	1.43E+01	1.97E+00	2.10E+00	6.09E-01	pCi/g	3/4/2014	613.97	60				04	K-40		
14-03004-04	DO	FEEBRICS.021314	02/13/14 00:00	3/3/2014	4/3/2014	14-03004	Protactinium-231	LANL ER-130 Modified	1.62E+00	1.61E+00	1.61E+00	2.52E+00	pCi/g	3/4/2014	613.97	60				04	PA-231		
14-03004-04	DO	FEEBRICS.021314	02/13/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-210	LANL ER-130 Modified	1.18E+00	1.33E+00	1.33E+00	2.22E+00	pCi/g	3/4/2014	613.97	60				04	PB-210		
14-03004-04	DO	FEEBRICS.021314	02/13/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-212	LANL ER-130 Modified	9.11E-01	1.28E-01	1.36E-01	2.44E-01	pCi/g	3/4/2014	613.97	60				04	PB-212		
14-03004-04	DO	FEEBRICS.021314	02/13/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-214	LANL ER-130 Modified	1.11E+00	1.66E-01	1.75E-01	2.54E-01	pCi/g	3/4/2014	613.97	60				04	PB-214		
14-03004-04	DO	FEEBRICS.021314	02/13/14 00:00	3/3/2014	4/3/2014	14-03004	Thallium-208	LANL ER-130 Modified	8.09E-01	1.61E-01	1.66E-01	1.13E-01	pCi/g	3/4/2014	613.97	60				04	TL-208		

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:														
			Dan Feezor Feezor Engineering, Inc. 406 East Walnut Street Chatham, IL 62629					SDG:		14-03004												
								Purchase Order:		BT-026-PO1												
								Analysis Category:		ENVIRONMENTAL												
					Sample Matrix:		SO															
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-03004-05	TRG	FEEBRISIC-6.019-020	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Actinium-228	LANL ER-130 Modified	1.13E+00	2.18E-01	2.26E-01	3.71E-01	pCi/g	3/4/2014	562.27	60				05	AC-228	
14-03004-05	TRG	FEEBRISIC-6.019-020	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Bismuth-214	LANL ER-130 Modified	1.40E+00	1.77E-01	1.91E-01	2.31E-01	pCi/g	3/4/2014	562.27	60				05	BI-214	
14-03004-05	TRG	FEEBRISIC-6.019-020	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Potassium-40	LANL ER-130 Modified	2.12E+01	2.49E+00	2.72E+00	7.65E-01	pCi/g	3/4/2014	562.27	60				05	K-40	
14-03004-05	TRG	FEEBRISIC-6.019-020	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Protactinium-231	LANL ER-130 Modified	-8.34E-01	1.48E+00	1.48E+00	2.30E+00	pCi/g	3/4/2014	562.27	60				05	PA-231	
14-03004-05	TRG	FEEBRISIC-6.019-020	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-210	LANL ER-130 Modified	9.73E-01	1.06E+00	1.06E+00	1.77E+00	pCi/g	3/4/2014	562.27	60				05	PB-210	
14-03004-05	TRG	FEEBRISIC-6.019-020	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-212	LANL ER-130 Modified	1.52E-01	1.32E-01	1.33E-01	2.02E-01	pCi/g	3/4/2014	562.27	60				05	PB-212	
14-03004-05	TRG	FEEBRISIC-6.019-020	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-214	LANL ER-130 Modified	1.39E+00	1.52E-01	1.68E-01	2.01E-01	pCi/g	3/4/2014	562.27	60				05	PB-214	
14-03004-05	TRG	FEEBRISIC-6.019-020	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Thallium-208	LANL ER-130 Modified	1.08E+00	1.67E-01	1.76E-01	1.90E-01	pCi/g	3/4/2014	562.27	60				05	TL-208	
14-03004-06	TRG	FEEBRISIC-6.024-025	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Actinium-228	LANL ER-130 Modified	1.28E+00	2.27E-01	2.37E-01	4.78E-01	pCi/g	3/4/2014	527.78	60				06	AC-228	
14-03004-06	TRG	FEEBRISIC-6.024-025	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Bismuth-214	LANL ER-130 Modified	2.65E+00	2.59E-01	2.93E-01	1.95E-01	pCi/g	3/4/2014	527.78	60				06	BI-214	
14-03004-06	TRG	FEEBRISIC-6.024-025	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Potassium-40	LANL ER-130 Modified	1.60E+01	1.99E+00	2.15E+00	9.40E-01	pCi/g	3/4/2014	527.78	60				06	K-40	
14-03004-06	TRG	FEEBRISIC-6.024-025	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Protactinium-231	LANL ER-130 Modified	6.94E-01	1.53E+00	1.53E+00	2.52E+00	pCi/g	3/4/2014	527.78	60				06	PA-231	
14-03004-06	TRG	FEEBRISIC-6.024-025	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-210	LANL ER-130 Modified	2.08E+00	1.05E+00	1.05E+00	1.67E+00	pCi/g	3/4/2014	527.78	60				06	PB-210	
14-03004-06	TRG	FEEBRISIC-6.024-025	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-212	LANL ER-130 Modified	1.09E+00	1.45E-01	1.55E-01	2.92E-01	pCi/g	3/4/2014	527.78	60				06	PB-212	
14-03004-06	TRG	FEEBRISIC-6.024-025	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-214	LANL ER-130 Modified	2.63E+00	2.33E-01	2.69E-01	2.15E-01	pCi/g	3/4/2014	527.78	60				06	PB-214	
14-03004-06	TRG	FEEBRISIC-6.024-025	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Thallium-208	LANL ER-130 Modified	1.01E+00	1.64E-01	1.72E-01	1.21E-01	pCi/g	3/4/2014	527.78	60				06	TL-208	
14-03004-07	TRG	FEEBRISIC-6.025-026	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Actinium-228	LANL ER-130 Modified	1.35E-01	6.26E-01	6.26E-01	1.01E+00	pCi/g	3/4/2014	127.19	60				07	AC-228	
14-03004-07	TRG	FEEBRISIC-6.025-026	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Bismuth-214	LANL ER-130 Modified	7.04E+00	8.67E-01	9.39E-01	7.12E-01	pCi/g	3/4/2014	127.19	60				07	BI-214	
14-03004-07	TRG	FEEBRISIC-6.025-026	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Potassium-40	LANL ER-130 Modified	3.98E+00	2.13E+00	2.14E+00	4.25E+00	pCi/g	3/4/2014	127.19	60				07	K-40	
14-03004-07	TRG	FEEBRISIC-6.025-026	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Protactinium-231	LANL ER-130 Modified	1.63E+00	5.25E+00	5.25E+00	8.53E+00	pCi/g	3/4/2014	127.19	60				07	PA-231	
14-03004-07	TRG	FEEBRISIC-6.025-026	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-210	LANL ER-130 Modified	1.27E+01	4.74E+00	4.78E+00	7.33E+00	pCi/g	3/4/2014	127.19	60				07	PB-210	
14-03004-07	TRG	FEEBRISIC-6.025-026	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-212	LANL ER-130 Modified	-1.48E+00	4.35E-01	4.41E-01	5.19E-01	pCi/g	3/4/2014	127.19	60				07	PB-212	
14-03004-07	TRG	FEEBRISIC-6.025-026	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-214	LANL ER-130 Modified	8.71E+00	7.93E-01	9.10E-01	8.25E-01	pCi/g	3/4/2014	127.19	60				07	PB-214	
14-03004-07	TRG	FEEBRISIC-6.025-026	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Thallium-208	LANL ER-130 Modified	2.94E-01	4.71E-01	4.71E-01	7.86E-01	pCi/g	3/4/2014	127.19	60				07	TL-208	

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:														
			Dan Feezor Feezor Engineering, Inc. 406 East Walnut Street Chatham, IL 62629					SDG:	14-03004													
								Purchase Order:	BT-026-PO1													
								Analysis Category:	ENVIRONMENTAL													
								Sample Matrix:	SO													
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-03004-08	TRG	FEEBRISIC-6.026-027	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Actinium-228	LANL ER-130 Modified	4.31E-01	7.10E-01	7.10E-01	1.20E+00	pCi/g	3/4/2014	374.46	60				08	AC-228	
14-03004-08	TRG	FEEBRISIC-6.026-027	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Bismuth-214	LANL ER-130 Modified	8.79E+00	8.34E-01	9.48E-01	6.25E-01	pCi/g	3/4/2014	374.46	60				08	BI-214	
14-03004-08	TRG	FEEBRISIC-6.026-027	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Potassium-40	LANL ER-130 Modified	6.00E+00	3.26E+00	3.27E+00	4.99E+00	pCi/g	3/4/2014	374.46	60				08	K-40	
14-03004-08	TRG	FEEBRISIC-6.026-027	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Protactinium-231	LANL ER-130 Modified	1.67E+00	4.19E+00	4.19E+00	9.71E+00	pCi/g	3/4/2014	374.46	60				08	PA-231	
14-03004-08	TRG	FEEBRISIC-6.026-027	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-210	LANL ER-130 Modified	5.24E+00	3.15E+00	3.16E+00	4.72E+00	pCi/g	3/4/2014	374.46	60				08	PB-210	
14-03004-08	TRG	FEEBRISIC-6.026-027	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-212	LANL ER-130 Modified	1.72E+00	4.47E-01	4.56E-01	6.43E-01	pCi/g	3/4/2014	374.46	60				08	PB-212	
14-03004-08	TRG	FEEBRISIC-6.026-027	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-214	LANL ER-130 Modified	8.83E+00	9.61E-01	1.06E+00	7.30E-01	pCi/g	3/4/2014	374.46	60				08	PB-214	
14-03004-08	TRG	FEEBRISIC-6.026-027	02/18/14 00:00	3/3/2014	4/3/2014	14-03004	Thallium-208	LANL ER-130 Modified	7.54E-01	5.16E-01	5.17E-01	9.08E-01	pCi/g	3/4/2014	374.46	60				08	TL-208	
14-03004-09	TRG	FEEBRIS13-6.021-022	02/21/14 00:00	3/3/2014	4/3/2014	14-03004	Actinium-228	LANL ER-130 Modified	1.24E+00	2.44E-01	2.52E-01	7.84E-01	pCi/g	3/4/2014	527.73	60				09	AC-228	
14-03004-09	TRG	FEEBRIS13-6.021-022	02/21/14 00:00	3/3/2014	4/3/2014	14-03004	Bismuth-214	LANL ER-130 Modified	1.42E+00	2.10E-01	2.22E-01	2.24E-01	pCi/g	3/4/2014	527.73	60				09	BI-214	
14-03004-09	TRG	FEEBRIS13-6.021-022	02/21/14 00:00	3/3/2014	4/3/2014	14-03004	Potassium-40	LANL ER-130 Modified	1.96E+01	2.66E+00	2.85E+00	1.34E+00	pCi/g	3/4/2014	527.73	60				09	K-40	
14-03004-09	TRG	FEEBRIS13-6.021-022	02/21/14 00:00	3/3/2014	4/3/2014	14-03004	Protactinium-231	LANL ER-130 Modified	-2.86E-01	9.60E-01	9.60E-01	3.04E+00	pCi/g	3/4/2014	527.73	60				09	PA-231	
14-03004-09	TRG	FEEBRIS13-6.021-022	02/21/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-210	LANL ER-130 Modified	1.48E+00	1.44E+00	1.44E+00	2.38E+00	pCi/g	3/4/2014	527.73	60				09	PB-210	
14-03004-09	TRG	FEEBRIS13-6.021-022	02/21/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-212	LANL ER-130 Modified	1.41E+00	1.73E-01	1.88E-01	2.65E-01	pCi/g	3/4/2014	527.73	60				09	PB-212	
14-03004-09	TRG	FEEBRIS13-6.021-022	02/21/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-214	LANL ER-130 Modified	1.42E+00	1.80E-01	1.94E-01	2.47E-01	pCi/g	3/4/2014	527.73	60				09	PB-214	
14-03004-09	TRG	FEEBRIS13-6.021-022	02/21/14 00:00	3/3/2014	4/3/2014	14-03004	Thallium-208	LANL ER-130 Modified	1.33E+00	2.82E-01	2.91E-01	4.98E-01	pCi/g	3/4/2014	527.73	60				09	TL-208	
14-03004-10	TRG	FEEBRIS13-6.021-022D	02/21/14 00:00	3/3/2014	4/3/2014	14-03004	Actinium-228	LANL ER-130 Modified	1.10E+00	1.99E-01	2.07E-01	2.97E-01	pCi/g	3/4/2014	612.15	60				10	AC-228	
14-03004-10	TRG	FEEBRIS13-6.021-022D	02/21/14 00:00	3/3/2014	4/3/2014	14-03004	Bismuth-214	LANL ER-130 Modified	1.26E+00	1.82E-01	1.93E-01	2.18E-01	pCi/g	3/4/2014	612.15	60				10	BI-214	
14-03004-10	TRG	FEEBRIS13-6.021-022D	02/21/14 00:00	3/3/2014	4/3/2014	14-03004	Potassium-40	LANL ER-130 Modified	1.83E+01	2.16E+00	2.36E+00	1.02E+00	pCi/g	3/4/2014	612.15	60				10	K-40	
14-03004-10	TRG	FEEBRIS13-6.021-022D	02/21/14 00:00	3/3/2014	4/3/2014	14-03004	Protactinium-231	LANL ER-130 Modified	6.90E-02	5.98E-01	5.98E-01	1.94E+00	pCi/g	3/4/2014	612.15	60				10	PA-231	
14-03004-10	TRG	FEEBRIS13-6.021-022D	02/21/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-210	LANL ER-130 Modified	2.12E+00	9.70E-01	9.76E-01	1.40E+00	pCi/g	3/4/2014	612.15	60				10	PB-210	
14-03004-10	TRG	FEEBRIS13-6.021-022D	02/21/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-212	LANL ER-130 Modified	1.21E+00	1.40E-01	1.53E-01	1.86E-01	pCi/g	3/4/2014	612.15	60				10	PB-212	
14-03004-10	TRG	FEEBRIS13-6.021-022D	02/21/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-214	LANL ER-130 Modified	1.27E+00	1.49E-01	1.63E-01	2.31E-01	pCi/g	3/4/2014	612.15	60				10	PB-214	
14-03004-10	TRG	FEEBRIS13-6.021-022D	02/21/14 00:00	3/3/2014	4/3/2014	14-03004	Thallium-208	LANL ER-130 Modified	1.05E+00	1.59E-01	1.68E-01	1.79E-01	pCi/g	3/4/2014	612.15	60				10	TL-208	

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								Purchase Order:		BT-026-PO1												
								Analysis Category:		ENVIRONMENTAL												
					Sample Matrix:		SO															
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-03004-11	TRG	FEEBRIS13-6.039-040	02/21/14 00:00	3/3/2014	4/3/2014	14-03004	Actinium-228	LANL ER-130 Modified	1.34E+00	2.30E-01	2.40E-01	3.24E-01	pCi/g	3/4/2014	529.35	60				11	AC-228	
14-03004-11	TRG	FEEBRIS13-6.039-040	02/21/14 00:00	3/3/2014	4/3/2014	14-03004	Bismuth-214	LANL ER-130 Modified	1.16E+00	1.70E-01	1.80E-01	2.10E-01	pCi/g	3/4/2014	529.35	60				11	BI-214	
14-03004-11	TRG	FEEBRIS13-6.039-040	02/21/14 00:00	3/3/2014	4/3/2014	14-03004	Potassium-40	LANL ER-130 Modified	1.78E+01	2.18E+00	2.36E+00	5.97E-01	pCi/g	3/4/2014	529.35	60				11	K-40	
14-03004-11	TRG	FEEBRIS13-6.039-040	02/21/14 00:00	3/3/2014	4/3/2014	14-03004	Protactinium-231	LANL ER-130 Modified	-9.46E-01	1.49E+00	1.49E+00	2.22E+00	pCi/g	3/4/2014	529.35	60				11	PA-231	
14-03004-11	TRG	FEEBRIS13-6.039-040	02/21/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-210	LANL ER-130 Modified	1.32E+00	1.16E+00	1.16E+00	1.58E+00	pCi/g	3/4/2014	529.35	60				11	PB-210	
14-03004-11	TRG	FEEBRIS13-6.039-040	02/21/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-212	LANL ER-130 Modified	1.43E+00	1.94E-01	2.08E-01	2.12E-01	pCi/g	3/4/2014	529.35	60				11	PB-212	
14-03004-11	TRG	FEEBRIS13-6.039-040	02/21/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-214	LANL ER-130 Modified	1.18E+00	1.48E-01	1.60E-01	2.03E-01	pCi/g	3/4/2014	529.35	60				11	PB-214	
14-03004-11	TRG	FEEBRIS13-6.039-040	02/21/14 00:00	3/3/2014	4/3/2014	14-03004	Thallium-208	LANL ER-130 Modified	9.79E-01	1.75E-01	1.82E-01	2.21E-01	pCi/g	3/4/2014	529.35	60				11	TL-208	
14-03004-12	TRG	FEEBRI14-5.012-013	02/26/14 00:00	3/3/2014	4/3/2014	14-03004	Actinium-228	LANL ER-130 Modified	1.22E+00	2.69E-01	2.76E-01	4.83E-01	pCi/g	3/4/2014	531.76	60				12	AC-228	
14-03004-12	TRG	FEEBRI14-5.012-013	02/26/14 00:00	3/3/2014	4/3/2014	14-03004	Bismuth-214	LANL ER-130 Modified	1.24E+00	2.15E-01	2.25E-01	2.95E-01	pCi/g	3/4/2014	531.76	60				12	BI-214	
14-03004-12	TRG	FEEBRI14-5.012-013	02/26/14 00:00	3/3/2014	4/3/2014	14-03004	Potassium-40	LANL ER-130 Modified	2.03E+01	2.72E+00	2.92E+00	1.30E+00	pCi/g	3/4/2014	531.76	60				12	K-40	
14-03004-12	TRG	FEEBRI14-5.012-013	02/26/14 00:00	3/3/2014	4/3/2014	14-03004	Protactinium-231	LANL ER-130 Modified	3.64E+00	1.87E+00	1.88E+00	3.10E+00	pCi/g	3/4/2014	531.76	60				12	PA-231	
14-03004-12	TRG	FEEBRI14-5.012-013	02/26/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-210	LANL ER-130 Modified	1.08E+00	1.25E+00	1.25E+00	2.08E+00	pCi/g	3/4/2014	531.76	60				12	PB-210	
14-03004-12	TRG	FEEBRI14-5.012-013	02/26/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-212	LANL ER-130 Modified	1.29E+00	1.64E-01	1.77E-01	3.03E-01	pCi/g	3/4/2014	531.76	60				12	PB-212	
14-03004-12	TRG	FEEBRI14-5.012-013	02/26/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-214	LANL ER-130 Modified	1.42E+00	1.80E-01	1.94E-01	2.76E-01	pCi/g	3/4/2014	531.76	60				12	PB-214	
14-03004-12	TRG	FEEBRI14-5.012-013	02/26/14 00:00	3/3/2014	4/3/2014	14-03004	Thallium-208	LANL ER-130 Modified	1.24E+00	2.07E-01	2.16E-01	2.12E-01	pCi/g	3/4/2014	531.76	60				12	TL-208	
14-03004-13	TRG	FEEBRI14-5.060-061	02/26/14 00:00	3/3/2014	4/3/2014	14-03004	Actinium-228	LANL ER-130 Modified	1.43E+00	4.49E-01	4.55E-01	7.28E-01	pCi/g	3/4/2014	573.29	60				13	AC-228	
14-03004-13	TRG	FEEBRI14-5.060-061	02/26/14 00:00	3/3/2014	4/3/2014	14-03004	Bismuth-214	LANL ER-130 Modified	1.31E+00	2.87E-01	2.94E-01	5.02E-01	pCi/g	3/4/2014	573.29	60				13	BI-214	
14-03004-13	TRG	FEEBRI14-5.060-061	02/26/14 00:00	3/3/2014	4/3/2014	14-03004	Potassium-40	LANL ER-130 Modified	1.93E+01	3.15E+00	3.30E+00	2.02E+00	pCi/g	3/4/2014	573.29	60				13	K-40	
14-03004-13	TRG	FEEBRI14-5.060-061	02/26/14 00:00	3/3/2014	4/3/2014	14-03004	Protactinium-231	LANL ER-130 Modified	-5.81E-01	2.16E+00	2.16E+00	4.98E+00	pCi/g	3/4/2014	573.29	60				13	PA-231	
14-03004-13	TRG	FEEBRI14-5.060-061	02/26/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-210	LANL ER-130 Modified	5.80E-01	1.41E+00	1.41E+00	2.10E+00	pCi/g	3/4/2014	573.29	60				13	PB-210	
14-03004-13	TRG	FEEBRI14-5.060-061	02/26/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-212	LANL ER-130 Modified	1.40E+00	2.52E-01	2.62E-01	3.43E-01	pCi/g	3/4/2014	573.29	60				13	PB-212	
14-03004-13	TRG	FEEBRI14-5.060-061	02/26/14 00:00	3/3/2014	4/3/2014	14-03004	Lead-214	LANL ER-130 Modified	9.83E-01	2.54E-01	2.59E-01	4.06E-01	pCi/g	3/4/2014	573.29	60				13	PB-214	
14-03004-13	TRG	FEEBRI14-5.060-061	02/26/14 00:00	3/3/2014	4/3/2014	14-03004	Thallium-208	LANL ER-130 Modified	1.10E+00	3.38E-01	3.43E-01	4.84E-01	pCi/g	3/4/2014	573.29	60				13	TL-208	

Eberline Analytical Final Report of Analysis			Report To:						Work Order Details:													
			Dan Feezor						SDG:	14-03004												
			Feezor Engineering, Inc.						Purchase Order:	BT-026-PO1												
			406 East Walnut Street						Analysis Category:	ENVIRONMENTAL												
			Chatham, IL 62629						Sample Matrix:	SO												
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-03004-02	MBL	BLANK	03/03/14 00:00	3/3/2014	3/20/2014	14-03004	Actinium-227	EML Th-01 Modified	1.27E-01	1.04E-01	1.06E-01	1.15E-01	pCi/g	3/17/2014	1	170	6.98		17.7	02	TH-227	
14-03004-03	DUP	FEEBRICS.021314	02/13/14 00:00	3/3/2014	3/20/2014	14-03004	Actinium-227	EML Th-01 Modified	1.34E-01	1.10E-01	1.11E-01	1.21E-01	pCi/g	3/17/2014	1.0023	170.02	6.98		18.8	03	TH-227	
14-03004-04	DO	FEEBRICS.021314	02/13/14 00:00	3/3/2014	3/20/2014	14-03004	Actinium-227	EML Th-01 Modified	1.35E-01	1.05E-01	1.07E-01	1.04E-01	pCi/g	3/17/2014	1.0006	170	7.32		13.9	04	TH-227	
14-03004-05	TRG	FEEBRISIC-6.019-020	02/18/14 00:00	3/3/2014	3/20/2014	14-03004	Actinium-227	EML Th-01 Modified	1.35E-01	9.84E-02	9.98E-02	1.01E-01	pCi/g	3/17/2014	1.0005	170	8.81		17.5	05	TH-227	
14-03004-06	TRG	FEEBRISIC-6.024-025	02/18/14 00:00	3/3/2014	3/20/2014	14-03004	Actinium-227	EML Th-01 Modified	3.36E-01	1.56E-01	1.61E-01	8.89E-02	pCi/g	3/17/2014	1.0003	170	21.3		17	06	TH-227	
14-03004-07	TRG	FEEBRISIC-6.025-026	02/18/14 00:00	3/3/2014	3/20/2014	14-03004	Actinium-227	EML Th-01 Modified	1.77E+00	4.57E-01	5.07E-01	8.42E-02	pCi/g	3/17/2014	1.0926	170	110		16.3	07	TH-227	
14-03004-08	TRG	FEEBRISIC-6.026-027	02/18/14 00:00	3/3/2014	3/20/2014	14-03004	Actinium-227	EML Th-01 Modified	1.63E+00	3.68E-01	4.19E-01	5.53E-02	pCi/g	3/17/2014	1.0905	170	141		15.9	08	TH-227	
14-03004-09	TRG	FEEBRIS13-6.021-022	02/21/14 00:00	3/3/2014	3/20/2014	14-03004	Actinium-227	EML Th-01 Modified	1.95E-01	1.11E-01	1.14E-01	7.60E-02	pCi/g	3/17/2014	1.0005	170	13.5		18.5	09	TH-227	
14-03004-10	TRG	FEEBRIS13-6.021-022D	02/21/14 00:00	3/3/2014	3/20/2014	14-03004	Actinium-227	EML Th-01 Modified	1.31E-01	8.85E-02	8.99E-02	7.24E-02	pCi/g	3/17/2014	1.0052	170	9.49		18.2	10	TH-227	
14-03004-11	TRG	FEEBRIS13-6.039-040	02/21/14 00:00	3/3/2014	3/20/2014	14-03004	Actinium-227	EML Th-01 Modified	1.74E-01	1.14E-01	1.16E-01	7.39E-02	pCi/g	3/17/2014	1.004	170	9.83		17.9	11	TH-227	
14-03004-12	TRG	FEEBRI14-5.012-013	02/26/14 00:00	3/3/2014	3/20/2014	14-03004	Actinium-227	EML Th-01 Modified	1.71E-01	1.11E-01	1.13E-01	8.57E-02	pCi/g	3/17/2014	1.0004	170	10.5		16.9	12	TH-227	
14-03004-13	TRG	FEEBRI14-5.060-061	02/26/14 00:00	3/3/2014	3/20/2014	14-03004	Actinium-227	EML Th-01 Modified	5.77E-02	6.84E-02	6.88E-02	9.98E-02	pCi/g	3/17/2014	1.0121	170	3.81		18.7	13	TH-227	
14-03004-01	LCS	KNOWN	03/03/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-230	EML Th-01 Modified	5.47E+00	1.48E-01			pCi/g	3/17/2014	1	170	348		16.8	01	TH-230	5.4659
14-03004-01	LCS	SPIKE	03/03/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-230	EML Th-01 Modified	5.83E+00	9.81E-01	1.22E+00	8.79E-02	pCi/g	3/17/2014	1	170	348		16.8	01	TH-230	5.4659
14-03004-02	MBL	BLANK	03/03/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-230	EML Th-01 Modified	5.29E-02	7.18E-02	7.21E-02	1.12E-01	pCi/g	3/17/2014	1	170	2.98		17.7	02	TH-230	
14-03004-03	DUP	FEEBRICS.021314	02/13/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-230	EML Th-01 Modified	1.53E+00	4.38E-01	4.77E-01	1.23E-01	pCi/g	3/17/2014	1.0023	170.02	81.8		18.8	03	TH-230	
14-03004-04	DO	FEEBRICS.021314	02/13/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-230	EML Th-01 Modified	1.57E+00	4.35E-01	4.76E-01	9.39E-02	pCi/g	3/17/2014	1.0006	170	87.5		13.9	04	TH-230	
14-03004-05	TRG	FEEBRISIC-6.019-020	02/18/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-230	EML Th-01 Modified	1.29E+00	3.48E-01	3.83E-01	6.22E-02	pCi/g	3/17/2014	1.0005	170	86.8		17.5	05	TH-230	
14-03004-06	TRG	FEEBRISIC-6.024-025	02/18/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-230	EML Th-01 Modified	5.10E+01	8.79E+00	1.08E+01	7.34E-02	pCi/g	3/17/2014	1.0003	170	3320		17	06	TH-230	
14-03004-07	TRG	FEEBRISIC-6.025-026	02/18/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-230	EML Th-01 Modified	2.40E+02	4.28E+01	5.20E+01	8.81E-02	pCi/g	3/17/2014	1.0926	170	15400		16.3	07	TH-230	
14-03004-08	TRG	FEEBRISIC-6.026-027	02/18/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-230	EML Th-01 Modified	2.02E+02	3.12E+01	4.00E+01	4.70E-02	pCi/g	3/17/2014	1.0905	170	17900		15.9	08	TH-230	
14-03004-09	TRG	FEEBRIS13-6.021-022	02/21/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-230	EML Th-01 Modified	2.75E+00	5.93E-01	6.83E-01	9.68E-02	pCi/g	3/17/2014	1.0005	170	195		18.5	09	TH-230	
14-03004-10	TRG	FEEBRIS13-6.021-022D	02/21/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-230	EML Th-01 Modified	1.40E+00	3.51E-01	3.92E-01	8.07E-02	pCi/g	3/17/2014	1.0052	170	104		18.2	10	TH-230	
14-03004-11	TRG	FEEBRIS13-6.039-040	02/21/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-230	EML Th-01 Modified	1.38E+00	3.92E-01	4.27E-01	1.14E-01	pCi/g	3/17/2014	1.004	170	79.8		17.9	11	TH-230	
14-03004-12	TRG	FEEBRI14-5.012-013	02/26/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-230	EML Th-01 Modified	1.66E+00	4.29E-01	4.76E-01	8.36E-02	pCi/g	3/17/2014	1.0004	170	104		16.9	12	TH-230	
14-03004-13	TRG	FEEBRI14-5.060-061	02/26/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-230	EML Th-01 Modified	1.03E+00	2.97E-01	3.24E-01	6.16E-02	pCi/g	3/17/2014	1.0121	170	69.8		18.7	13	TH-230	

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			406 East Walnut Street						Analysis Category:	ENVIRONMENTAL												
			Chatham, IL 62629						Sample Matrix:	SO												
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-03004-01	LCS	KNOWN	03/03/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-232	EML Th-01 Modified	4.87E+00	1.75E-01			pCi/g	3/17/2014	1	170	291		16.8	01	TH-232	4.8655
14-03004-01	LCS	SPIKE	03/03/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-232	EML Th-01 Modified	4.86E+00	8.48E-01	9.50E-01	6.97E-02	pCi/g	3/17/2014	1	170	291		16.8	01	TH-232	4.8655
14-03004-02	MBL	BLANK	03/03/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-232	EML Th-01 Modified	3.25E-02	4.99E-02	4.99E-02	7.40E-02	pCi/g	3/17/2014	1	170	1.83		17.7	02	TH-232	
14-03004-03	DUP	FEEBRICS.021314	02/13/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-232	EML Th-01 Modified	1.05E+00	3.38E-01	3.50E-01	1.05E-01	pCi/g	3/17/2014	1.0023	170.02	56.3		18.8	03	TH-232	
14-03004-04	DO	FEEBRICS.021314	02/13/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-232	EML Th-01 Modified	8.93E-01	2.98E-01	3.09E-01	1.13E-01	pCi/g	3/17/2014	1.0006	170	50		13.9	04	TH-232	
14-03004-05	TRG	FEEBRISIC-6.019-020	02/18/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-232	EML Th-01 Modified	1.71E+00	4.24E-01	4.49E-01	6.21E-02	pCi/g	3/17/2014	1.0005	170	115		17.5	05	TH-232	
14-03004-06	TRG	FEEBRISIC-6.024-025	02/18/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-232	EML Th-01 Modified	1.43E+00	3.79E-01	3.99E-01	8.65E-02	pCi/g	3/17/2014	1.0003	170	93.3		17	06	TH-232	
14-03004-07	TRG	FEEBRISIC-6.025-026	02/18/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-232	EML Th-01 Modified	1.09E+00	3.20E-01	3.34E-01	7.46E-02	pCi/g	3/17/2014	1.0926	170	69.7		16.3	07	TH-232	
14-03004-08	TRG	FEEBRISIC-6.026-027	02/18/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-232	EML Th-01 Modified	8.78E-01	2.38E-01	2.50E-01	6.75E-02	pCi/g	3/17/2014	1.0905	170	78		15.9	08	TH-232	
14-03004-09	TRG	FEEBRIS13-6.021-022	02/21/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-232	EML Th-01 Modified	1.21E+00	3.23E-01	3.40E-01	7.40E-02	pCi/g	3/17/2014	1.0005	170	85.5		18.5	09	TH-232	
14-03004-10	TRG	FEEBRIS13-6.021-022D	02/21/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-232	EML Th-01 Modified	1.11E+00	3.00E-01	3.16E-01	8.05E-02	pCi/g	3/17/2014	1.0052	170	83		18.2	10	TH-232	
14-03004-11	TRG	FEEBRIS13-6.039-040	02/21/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-232	EML Th-01 Modified	9.73E-01	3.13E-01	3.24E-01	1.45E-01	pCi/g	3/17/2014	1.004	170	56.5		17.9	11	TH-232	
14-03004-12	TRG	FEEBRI14-5.012-013	02/26/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-232	EML Th-01 Modified	1.19E+00	3.41E-01	3.57E-01	9.52E-02	pCi/g	3/17/2014	1.0004	170	75.2		16.9	12	TH-232	
14-03004-13	TRG	FEEBRI14-5.060-061	02/26/14 00:00	3/3/2014	3/20/2014	14-03004	Thorium-232	EML Th-01 Modified	1.12E+00	3.15E-01	3.30E-01	8.84E-02	pCi/g	3/17/2014	1.0121	170	76		18.7	13	TH-232	
14-03004-01	LCS	KNOWN	03/03/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-234	EML U-02 Modified	8.02E+00	2.89E-01			pCi/g	3/17/2014	1	170	535		17.5	01	U-234	8.0242
14-03004-01	LCS	SPIKE	03/03/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-234	EML U-02 Modified	7.84E+00	1.11E+00	1.25E+00	6.12E-02	pCi/g	3/17/2014	1	170	535		17.5	01	U-234	8.0242
14-03004-02	MBL	BLANK	03/03/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-234	EML U-02 Modified	3.34E-02	4.04E-02	4.05E-02	4.93E-02	pCi/g	3/17/2014	1	170	2.83		17	02	U-234	
14-03004-03	DUP	FEEBRICS.021314	02/13/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-234	EML U-02 Modified	1.01E+00	2.88E-01	2.97E-01	1.08E-01	pCi/g	3/17/2014	1.0061	170	59		16.3	03	U-234	
14-03004-04	DO	FEEBRICS.021314	02/13/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-234	EML U-02 Modified	8.21E-01	2.44E-01	2.51E-01	6.61E-02	pCi/g	3/17/2014	1.0044	170	51.8		15.9	04	U-234	
14-03004-05	TRG	FEEBRISIC-6.019-020	02/18/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-234	EML U-02 Modified	1.26E+00	2.83E-01	2.97E-01	7.10E-02	pCi/g	3/17/2014	0.9996	170	100		18.5	05	U-234	
14-03004-06	TRG	FEEBRISIC-6.024-025	02/18/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-234	EML U-02 Modified	1.46E+00	3.40E-01	3.56E-01	7.31E-02	pCi/g	3/17/2014	1.0244	170	95.7		18.2	06	U-234	
14-03004-07	TRG	FEEBRISIC-6.025-026	02/18/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-234	EML U-02 Modified	1.08E+00	2.54E-01	2.66E-01	7.24E-02	pCi/g	3/17/2014	1.0926	170	89.2		17.9	07	U-234	
14-03004-08	TRG	FEEBRISIC-6.026-027	02/18/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-234	EML U-02 Modified	1.15E+00	2.59E-01	2.72E-01	5.57E-02	pCi/g	3/17/2014	1.0905	170	98.7		16.9	08	U-234	
14-03004-09	TRG	FEEBRIS13-6.021-022	02/21/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-234	EML U-02 Modified	9.13E-01	2.31E-01	2.40E-01	5.23E-02	pCi/g	3/17/2014	1.0021	170	72.8		18.7	09	U-234	
14-03004-10	TRG	FEEBRIS13-6.021-022D	02/21/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-234	EML U-02 Modified	9.96E-01	2.61E-01	2.71E-01	8.54E-02	pCi/g	3/17/2014	1.0262	170	70		18.4	10	U-234	
14-03004-11	TRG	FEEBRIS13-6.039-040	02/21/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-234	EML U-02 Modified	8.08E-01	3.10E-01	3.16E-01	1.09E-01	pCi/g	3/17/2014	1.0136	170	30.8		18.7	11	U-234	
14-03004-12	TRG	FEEBRI14-5.012-013	02/26/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-234	EML U-02 Modified	8.05E-01	2.19E-01	2.27E-01	5.43E-02	pCi/g	3/17/2014	1.0039	170	61.8		17.7	12	U-234	
14-03004-13	TRG	FEEBRI14-5.060-061	02/26/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-234	EML U-02 Modified	9.81E-01	2.43E-01	2.53E-01	7.54E-02	pCi/g	3/17/2014	1.0053	170	78		16.9	13	U-234	

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			406 East Walnut Street						Analysis Category:	ENVIRONMENTAL												
			Chatham, IL 62629						Sample Matrix:	SO												
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-03004-01	LCS	SPIKE	03/03/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-235	EML U-02 Modified	4.31E-01	1.81E-01	1.83E-01	7.55E-02	pCi/g	3/17/2014	1	170	23.8		17.5	01	U-235	
14-03004-02	MBL	BLANK	03/03/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-235	EML U-02 Modified	1.21E-02	2.90E-02	2.90E-02	6.08E-02	pCi/g	3/17/2014	1	170	0.83		17	02	U-235	
14-03004-03	DUP	FEEBRICS.021314	02/13/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-235	EML U-02 Modified	2.32E-01	1.46E-01	1.47E-01	1.26E-01	pCi/g	3/17/2014	1.0061	170	11		16.3	03	U-235	
14-03004-04	DO	FEEBRICS.021314	02/13/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-235	EML U-02 Modified	1.62E-02	3.89E-02	3.89E-02	8.15E-02	pCi/g	3/17/2014	1.0044	170	0.83		15.9	04	U-235	
14-03004-05	TRG	FEEBRISIC-6.019-020	02/18/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-235	EML U-02 Modified	1.01E-01	8.18E-02	8.21E-02	8.15E-02	pCi/g	3/17/2014	0.9996	170	6.49		18.5	05	U-235	
14-03004-06	TRG	FEEBRISIC-6.024-025	02/18/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-235	EML U-02 Modified	1.70E-01	1.19E-01	1.19E-01	1.13E-01	pCi/g	3/17/2014	1.0244	170	9		18.2	06	U-235	
14-03004-07	TRG	FEEBRISIC-6.025-026	02/18/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-235	EML U-02 Modified	9.94E-02	7.84E-02	7.88E-02	7.13E-02	pCi/g	3/17/2014	1.0926	170	6.66		17.9	07	U-235	
14-03004-08	TRG	FEEBRISIC-6.026-027	02/18/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-235	EML U-02 Modified	4.07E-02	4.92E-02	4.93E-02	6.00E-02	pCi/g	3/17/2014	1.0905	170	2.83		16.9	08	U-235	
14-03004-09	TRG	FEEBRIS13-6.021-022	02/21/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-235	EML U-02 Modified	1.08E-01	8.65E-02	8.68E-02	9.27E-02	pCi/g	3/17/2014	1.0021	170	7		18.7	09	U-235	
14-03004-10	TRG	FEEBRIS13-6.021-022D	02/21/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-235	EML U-02 Modified	1.02E-01	8.53E-02	8.56E-02	7.33E-02	pCi/g	3/17/2014	1.0262	170	5.83		18.4	10	U-235	
14-03004-11	TRG	FEEBRIS13-6.039-040	02/21/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-235	EML U-02 Modified	8.60E-02	1.12E-01	1.12E-01	1.55E-01	pCi/g	3/17/2014	1.0136	170	2.66		18.7	11	U-235	
14-03004-12	TRG	FEEBRI14-5.012-013	02/26/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-235	EML U-02 Modified	1.23E-01	9.03E-02	9.07E-02	7.67E-02	pCi/g	3/17/2014	1.0039	170	7.66		17.7	12	U-235	
14-03004-13	TRG	FEEBRI14-5.060-061	02/26/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-235	EML U-02 Modified	9.31E-02	8.11E-02	8.13E-02	9.30E-02	pCi/g	3/17/2014	1.0053	170	6		16.9	13	U-235	
14-03004-01	LCS	KNOWN	03/03/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-238	EML U-02 Modified	7.82E+00	2.82E-01			pCi/g	3/17/2014	1	170	499		17.5	01	U-238	7.8216
14-03004-01	LCS	SPIKE	03/03/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-238	EML U-02 Modified	7.29E+00	1.05E+00	1.17E+00	8.76E-02	pCi/g	3/17/2014	1	170	499		17.5	01	U-238	7.8216
14-03004-02	MBL	BLANK	03/03/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-238	EML U-02 Modified	5.28E-02	5.23E-02	5.24E-02	6.17E-02	pCi/g	3/17/2014	1	170	4.49		17	02	U-238	
14-03004-03	DUP	FEEBRICS.021314	02/13/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-238	EML U-02 Modified	1.15E+00	3.09E-01	3.20E-01	7.11E-02	pCi/g	3/17/2014	1.0061	170	67.8		16.3	03	U-238	
14-03004-04	DO	FEEBRICS.021314	02/13/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-238	EML U-02 Modified	8.15E-01	2.43E-01	2.50E-01	7.54E-02	pCi/g	3/17/2014	1.0044	170	51.7		15.9	04	U-238	
14-03004-05	TRG	FEEBRISIC-6.019-020	02/18/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-238	EML U-02 Modified	1.03E+00	2.50E-01	2.60E-01	7.51E-02	pCi/g	3/17/2014	0.9996	170	82.2		18.5	05	U-238	
14-03004-06	TRG	FEEBRISIC-6.024-025	02/18/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-238	EML U-02 Modified	1.49E+00	3.43E-01	3.59E-01	6.35E-02	pCi/g	3/17/2014	1.0244	170	97.8		18.2	06	U-238	
14-03004-07	TRG	FEEBRISIC-6.025-026	02/18/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-238	EML U-02 Modified	1.04E+00	2.52E-01	2.62E-01	1.17E-01	pCi/g	3/17/2014	1.0926	170	86.1		17.9	07	U-238	
14-03004-08	TRG	FEEBRISIC-6.026-027	02/18/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-238	EML U-02 Modified	1.12E+00	2.54E-01	2.67E-01	6.09E-02	pCi/g	3/17/2014	1.0905	170	96.5		16.9	08	U-238	
14-03004-09	TRG	FEEBRIS13-6.021-022	02/21/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-238	EML U-02 Modified	1.10E+00	2.58E-01	2.69E-01	5.21E-02	pCi/g	3/17/2014	1.0021	170	87.8		18.7	09	U-238	
14-03004-10	TRG	FEEBRIS13-6.021-022D	02/21/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-238	EML U-02 Modified	1.01E+00	2.62E-01	2.72E-01	8.50E-02	pCi/g	3/17/2014	1.0262	170	71		18.4	10	U-238	
14-03004-11	TRG	FEEBRIS13-6.039-040	02/21/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-238	EML U-02 Modified	1.04E+00	3.62E-01	3.70E-01	1.57E-01	pCi/g	3/17/2014	1.0136	170	40		18.7	11	U-238	
14-03004-12	TRG	FEEBRI14-5.012-013	02/26/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-238	EML U-02 Modified	8.66E-01	2.28E-01	2.37E-01	5.41E-02	pCi/g	3/17/2014	1.0039	170	66.8		17.7	12	U-238	
14-03004-13	TRG	FEEBRI14-5.060-061	02/26/14 00:00	3/3/2014	3/19/2014	14-03004	Uranium-238	EML U-02 Modified	8.64E-01	2.25E-01	2.34E-01	7.51E-02	pCi/g	3/17/2014	1.0053	170	69		16.9	13	U-238	



FROM: Cecilia Greene

TO: Mr. Dan Feezor, Feezor Engineering

CC: Mr. Paul Rosasco

DATE: 06/06/2014

RE: Transmittal of Validated Results for Eberline Work Order 14-03004

Eberline Services of Oak Ridge, TN has completed their analysis of the Phase 1 subsurface soil samples in Eberline Work Order 14-03004. The validated results are summarized in Table 1.

The laboratory quality control samples were validated using MARLAP criteria. All laboratory control samples fell within acceptable control limits with the exception of the protactinium-231 duplicate analysis. Protactinium-231 did not pass the MARLAP duplicate test, which requires the use of the method uncertainty in determining the control limits. Protactinium-231 has a very low method uncertainty. All other duplicate analyses for gamma spectroscopy pass the test. This condition does not constitute a non-conformance to the measurement quality objectives.

A complete verification of all of the laboratory calculations was performed. 99% of the calculated results were within $\pm 10\%$ of the laboratory results. We were unable to reproduce the results of 2 lead-210 results with the information supplied by the laboratory. This is probably due to complex spectral de-convoluting operations performed by the spectroscopy software.

A non-detect result (U qualifiers) is determined by considering the analytical result and its uncertainty vs. the critical value as supplied by the laboratory.

The low abundance of the gamma lines used to identify and quantify protactinium-231 and lead-210 resulted in numerous J and Q (Combined Standard Uncertainty > Required Method Uncertainty) qualifiers. This condition increased the counting and combined standard uncertainty, and the minimum detectable activity. This condition does not constitute a non-conformance to the measurement quality objectives.

The full laboratory Level IV report of analysis will be retained at Auxier & Associates offices in Knoxville, TN where it is available for inspection upon request. Should you require additional information or further clarification, please contact me or Mr. Michael Bollenbacher at (865) 675-3669.

Sincerely,

Cecilia H. Greene, MPH, NRRPT
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Knoxville, TN 37932

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Health Physics and Environmental Radiation Consulting
A USA Environment, L.P. Company

Sample ID	Uranium-234 (pCi/g)	Uranium-235 (pCi/g)	Uranium-238 (pCi/g)	Thorium-230 (pCi/g)	Thorium-232 (pCi/g)	Actinium-227 (pCi/g)
Analytical Method	EML U-02 Modified	EML U-02 Modified	EML U-02 Modified	EML Th-01 Modified	EML Th-01 Modified	EML Th-01 Modified
FEEBRICS.021314	0.82 ± 0.25 {-}	< 0.004 (0.02 ± 0.04) {U}	0.81 ± 0.25 {-}	1.57 ± 0.48 {-}	0.89 ± 0.31 {-}	0.13 ± 0.11 {-}
FEEBRISIC-6.019-020	1.26 ± 0.30 {-}	0.10 ± 0.08 {-}	1.03 ± 0.26 {-}	1.29 ± 0.38 {-}	1.71 ± 0.45 {-}	0.13 ± 0.10 {-}
FEEBRISIC-6.024-025	1.46 ± 0.36 {-}	0.17 ± 0.12 {-}	1.49 ± 0.36 {-}	51 ± 11 {-}	1.43 ± 0.40 {-}	0.34 ± 0.16 {-}
FEEBRISIC-6.025-026	1.08 ± 0.27 {-}	0.10 ± 0.08 {-}	1.04 ± 0.26 {-}	240 ± 52 {-}	1.09 ± 0.33 {-}	1.77 ± 0.51{Q}
FEEBRISIC-6.026-027	1.15 ± 0.27 {-}	< 0.003 (0.04 ± 0.05) {U}	1.12 ± 0.27 {-}	202 ± 40 {-}	0.88 ± 0.25 {-}	1.63 ± 0.42{Q}
FEEBRIS13-6.021-022	0.91 ± 0.24 {-}	0.11 ± 0.09 {-}	1.10 ± 0.27 {-}	2.75 ± 0.68 {-}	1.21 ± 0.34 {-}	0.20 ± 0.11 {-}
FEEBRIS13-6.021-022D	1.0 ± 0.27 {-}	0.10 ± 0.09 {-}	1.01 ± 0.27 {-}	1.40 ± 0.39 {-}	1.11 ± 0.32 {-}	0.13 ± 0.09 {-}
FEEBRIS13-6.039-040	0.81 ± 0.32 {-}	< 0.01 (0.09 ± 0.11) {U}	1.04 ± 0.37 {-}	1.38 ± 0.43 {-}	0.97 ± 0.32 {-}	0.17 ± 0.12 {-}
FEEBRI14-5.012-013	0.80 ± 0.23 {-}	0.12 ± 0.09 {-}	0.87 ± 0.24 {-}	1.66 ± 0.48 {-}	1.19 ± 0.36 {-}	0.17 ± 0.11 {-}
FEEBRI14-5.060-061	0.98 ± 0.25 {-}	0.09 ± 0.08 {-}	0.86 ± 0.23 {-}	1.03 ± 0.32 {-}	1.12 ± 0.33 {-}	< 0.02 (0.06 ± 0.07) {U}

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

- Validated, no qualifiers assigned

Sample ID	Protactinium-231 (pCi/g)	Radium-228 (pCi/g)	Radium-226 (pCi/g)	Lead-210 (pCi/g)	Potassium-40 (pCi/g)
Analytical Method	LANL 130 Modified	LANL 130 Modified	LANL 130 Modified	LANL 130 Modified	LANL 130 Modified
FEEBRICS.021314	< 1.21 (1.62 ± 1.61) {UQJ}	0.72 ± 0.18 {-}	1.13 ± 0.19 {-}	< 1.09 (1.18 ± 1.33) {UQJ}	14.34 ± 2.10 {-}
FEEBRISIC-6.019-020	< 1.10 (-0.83 ± 1.48) {UQJ}	1.13 ± 0.23 {-}	1.40 ± 0.19 {-}	< 0.86 (0.97 ± 1.06) {UQJ}	21.23 ± 2.72 {-}
FEEBRISIC-6.024-025	< 1.21 (0.69 ± 1.53) {UQJ}	1.28 ± 0.24 {-}	2.65 ± 0.29 {-}	2.08 ± 1.05 {QJ}	15.96 ± 2.15 {-}
FEEBRISIC-6.025-026	< 4.04 (1.63 ± 5.25) {UQJ}	< 0.46 (0.13 ± 0.63) {UJ}	7.04 ± 0.94 {J}	12.66 ± 4.78 {QJ}	< 1.97 (3.98 ± 2.14) {UJ}
FEEBRISIC-6.026-027	< 4.70 (1.67 ± 4.19) {UQJ}	< 0.57 (0.43 ± 0.71) {UJ}	8.79 ± 0.95 {J}	< 2.32 (5.24 ± 3.16) {UQJ}	6.00 ± 3.27 {J}
FEEBRIS13-6.021-022	< 1.46 (-0.29 ± 0.96) {UQJ}	1.24 ± 0.25 {J}	1.42 ± 0.22 {-}	< 1.17 (1.48 ± 1.44) {UQJ}	19.61 ± 2.85 {-}
FEEBRIS13-6.021-022D	< 0.93 (0.07 ± 0.60) {UQJ}	1.10 ± 0.21 {-}	1.26 ± 0.19 {-}	2.12 ± 0.98 {QJ}	18.35 ± 2.36 {-}
FEEBRIS13-6.039-040	< 1.06 (-0.95 ± 1.49) {UQJ}	1.34 ± 0.24 {-}	1.16 ± 0.18 {-}	< 0.77 (1.32 ± 1.16) {UQJ}	17.79 ± 2.36 {-}
FEEBRI14-5.012-013	3.64 ± 1.88 {QJ}	1.22 ± 0.28 {-}	1.24 ± 0.22 {-}	< 1.02 (1.08 ± 1.25) {UQJ}	20.32 ± 2.92 {-}
FEEBRI14-5.060-061	<2.39 (-0.58 ± 2.16) {UQJ}	1.43 ± 0.45 {J}	1.31 ± 0.29 {J}	< 1.02 (0.58 ± 1.41) {UQJ}	19.26 ± 3.30 {J}

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty/Relative Standard Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

- Validated, no qualifiers assigned

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:															
			Dan Feezor					SDG:		14-03082													
			Feezor Engineering, Inc.					Purchase Order:		BT-026-PO1													
			406 East Walnut Street Chatham, IL 62629					Analysis Category:		ENVIRONMENTAL													
								Sample Matrix:		SO													
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	
14-03082-01	LCS	KNOWN	03/17/14 00:00	3/17/2014	4/17/2014	14-03082	Cobalt-60	LANL ER-130 Modified	1.30E+02	5.22E+00			pCi/g	3/18/2014	1	30				01	CO-60	130.4300	
14-03082-01	LCS	KNOWN	03/17/14 00:00	3/17/2014	4/17/2014	14-03082	Cesium-137	LANL ER-130 Modified	8.30E+01	3.32E+00			pCi/g	3/18/2014	1	30				01	CS-137	82.9600	
14-03082-01	LCS	SPIKE	03/17/14 00:00	3/17/2014	4/17/2014	14-03082	Cobalt-60	LANL ER-130 Modified	1.36E+02	8.42E+00	1.09E+01	6.01E-01	pCi/g	3/18/2014	1	30				01	CO-60	130.4300	
14-03082-01	LCS	SPIKE	03/17/14 00:00	3/17/2014	4/17/2014	14-03082	Cesium-137	LANL ER-130 Modified	8.90E+01	9.45E+00	1.05E+01	8.00E-01	pCi/g	3/18/2014	1	30				01	CS-137	82.9600	
14-03082-02	MBL	BLANK	03/17/14 00:00	3/17/2014	4/17/2014	14-03082	Actinium-228	LANL ER-130 Modified	1.08E-01	5.73E-02	5.76E-02	1.34E-01	pCi/g	3/18/2014	1	60				02	AC-228		
14-03082-02	MBL	BLANK	03/17/14 00:00	3/17/2014	4/17/2014	14-03082	Bismuth-214	LANL ER-130 Modified	4.99E-02	3.76E-02	3.77E-02	7.41E-02	pCi/g	3/18/2014	1	60				02	BI-214		
14-03082-02	MBL	BLANK	03/17/14 00:00	3/17/2014	4/17/2014	14-03082	Potassium-40	LANL ER-130 Modified	1.83E-01	1.67E-01	1.68E-01	3.74E-01	pCi/g	3/18/2014	1	60				02	K-40		
14-03082-02	MBL	BLANK	03/17/14 00:00	3/17/2014	4/17/2014	14-03082	Protactinium-231	LANL ER-130 Modified	2.76E-01	5.46E-01	5.46E-01	9.67E-01	pCi/g	3/18/2014	1	60				02	PA-231		
14-03082-02	MBL	BLANK	03/17/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-210	LANL ER-130 Modified	4.04E-01	3.89E-01	3.90E-01	5.79E-01	pCi/g	3/18/2014	1	60				02	PB-210		
14-03082-02	MBL	BLANK	03/17/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-214	LANL ER-130 Modified	-5.91E-03	3.92E-02	3.92E-02	6.49E-02	pCi/g	3/18/2014	1	60				02	PB-214		
14-03082-03	DUP	FEEBRIS1C-6Ti.022-023GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Actinium-228	LANL ER-130 Modified	8.32E-01	2.05E-01	2.10E-01	3.46E-01	pCi/g	3/18/2014	485.63	60				03	AC-228		
14-03082-03	DUP	FEEBRIS1C-6Ti.022-023GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Bismuth-214	LANL ER-130 Modified	1.53E+00	1.88E-01	2.03E-01	1.59E-01	pCi/g	3/18/2014	485.63	60				03	BI-214		
14-03082-03	DUP	FEEBRIS1C-6Ti.022-023GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Potassium-40	LANL ER-130 Modified	1.30E+01	1.79E+00	1.91E+00	1.08E+00	pCi/g	3/18/2014	485.63	60				03	K-40		
14-03082-03	DUP	FEEBRIS1C-6Ti.022-023GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Protactinium-231	LANL ER-130 Modified	8.25E-01	1.38E+00	1.38E+00	2.31E+00	pCi/g	3/18/2014	485.63	60				03	PA-231		
14-03082-03	DUP	FEEBRIS1C-6Ti.022-023GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-210	LANL ER-130 Modified	1.06E+00	1.12E+00	1.12E+00	1.87E+00	pCi/g	3/18/2014	485.63	60				03	PB-210		
14-03082-03	DUP	FEEBRIS1C-6Ti.022-023GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-212	LANL ER-130 Modified	9.35E-01	1.26E-01	1.35E-01	2.54E-01	pCi/g	3/18/2014	485.63	60				03	PB-212		
14-03082-03	DUP	FEEBRIS1C-6Ti.022-023GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-214	LANL ER-130 Modified	1.49E+00	1.71E-01	1.87E-01	2.58E-01	pCi/g	3/18/2014	485.63	60				03	PB-214		
14-03082-03	DUP	FEEBRIS1C-6Ti.022-023GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Thallium-208	LANL ER-130 Modified	8.64E-01	1.69E-01	1.75E-01	1.68E-01	pCi/g	3/18/2014	485.63	60				03	TL-208		
14-03082-04	DO	FEEBRIS1C-6Ti.022-023GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Actinium-228	LANL ER-130 Modified	8.43E-01	2.05E-01	2.10E-01	3.57E-01	pCi/g	3/18/2014	485.63	60				04	AC-228		
14-03082-04	DO	FEEBRIS1C-6Ti.022-023GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Bismuth-214	LANL ER-130 Modified	1.45E+00	1.88E-01	2.03E-01	1.59E-01	pCi/g	3/18/2014	485.63	60				04	BI-214		
14-03082-04	DO	FEEBRIS1C-6Ti.022-023GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Potassium-40	LANL ER-130 Modified	1.36E+01	1.78E+00	1.91E+00	7.65E-01	pCi/g	3/18/2014	485.63	60				04	K-40		
14-03082-04	DO	FEEBRIS1C-6Ti.022-023GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Protactinium-231	LANL ER-130 Modified	-2.60E-01	1.41E+00	1.41E+00	2.28E+00	pCi/g	3/18/2014	485.63	60				04	PA-231		
14-03082-04	DO	FEEBRIS1C-6Ti.022-023GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-210	LANL ER-130 Modified	1.64E+00	1.13E+00	1.13E+00	1.57E+00	pCi/g	3/18/2014	485.63	60				04	PB-210		
14-03082-04	DO	FEEBRIS1C-6Ti.022-023GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-212	LANL ER-130 Modified	9.51E-01	1.32E-01	1.41E-01	2.36E-01	pCi/g	3/18/2014	485.63	60				04	PB-212		
14-03082-04	DO	FEEBRIS1C-6Ti.022-023GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-214	LANL ER-130 Modified	1.66E+00	1.92E-01	2.10E-01	2.36E-01	pCi/g	3/18/2014	485.63	60				04	PB-214		
14-03082-04	DO	FEEBRIS1C-6Ti.022-023GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Thallium-208	LANL ER-130 Modified	8.11E-01	1.57E-01	1.62E-01	1.30E-01	pCi/g	3/18/2014	485.63	60				04	TL-208		

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:														
			Dan Feezor Feezor Engineering, Inc. 406 East Walnut Street Chatham, IL 62629					SDG:		14-03082												
								Purchase Order:		BT-026-PO1												
								Analysis Category:		ENVIRONMENTAL												
					Sample Matrix:		SO															
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-03082-05	TRG	FEEBRIS1C-12.049-050GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Actinium-228	LANL ER-130 Modified	1.01E+00	3.24E-01	3.29E-01	6.22E-01	pCi/g	3/18/2014	385.74	60				05	AC-228	
14-03082-05	TRG	FEEBRIS1C-12.049-050GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Bismuth-214	LANL ER-130 Modified	1.53E+00	2.22E-01	2.35E-01	2.32E-01	pCi/g	3/18/2014	385.74	60				05	BI-214	
14-03082-05	TRG	FEEBRIS1C-12.049-050GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Potassium-40	LANL ER-130 Modified	1.34E+01	2.01E+00	2.12E+00	1.29E+00	pCi/g	3/18/2014	385.74	60				05	K-40	
14-03082-05	TRG	FEEBRIS1C-12.049-050GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Protactinium-231	LANL ER-130 Modified	-4.14E-01	1.73E+00	1.73E+00	2.77E+00	pCi/g	3/18/2014	385.74	60				05	PA-231	
14-03082-05	TRG	FEEBRIS1C-12.049-050GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-210	LANL ER-130 Modified	1.62E+00	1.20E+00	1.20E+00	1.96E+00	pCi/g	3/18/2014	385.74	60				05	PB-210	
14-03082-05	TRG	FEEBRIS1C-12.049-050GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-212	LANL ER-130 Modified	1.11E+00	1.61E-01	1.71E-01	3.10E-01	pCi/g	3/18/2014	385.74	60				05	PB-212	
14-03082-05	TRG	FEEBRIS1C-12.049-050GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-214	LANL ER-130 Modified	1.18E+00	1.85E-01	1.95E-01	2.68E-01	pCi/g	3/18/2014	385.74	60				05	PB-214	
14-03082-05	TRG	FEEBRIS1C-12.049-050GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Thallium-208	LANL ER-130 Modified	7.44E-01	1.78E-01	1.82E-01	1.94E-01	pCi/g	3/18/2014	385.74	60				05	TL-208	
14-03082-06	TRG	FEEBRIS1C-12B.054-055GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Actinium-228	LANL ER-130 Modified	1.02E+00	2.56E-01	2.61E-01	4.28E-01	pCi/g	3/18/2014	475.51	60				06	AC-228	
14-03082-06	TRG	FEEBRIS1C-12B.054-055GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Bismuth-214	LANL ER-130 Modified	1.86E+00	2.38E-01	2.56E-01	2.55E-01	pCi/g	3/18/2014	475.51	60				06	BI-214	
14-03082-06	TRG	FEEBRIS1C-12B.054-055GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Potassium-40	LANL ER-130 Modified	1.22E+01	1.90E+00	2.00E+00	1.24E+00	pCi/g	3/18/2014	475.51	60				06	K-40	
14-03082-06	TRG	FEEBRIS1C-12B.054-055GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Protactinium-231	LANL ER-130 Modified	-3.79E-01	1.86E+00	1.86E+00	3.14E+00	pCi/g	3/18/2014	475.51	60				06	PA-231	
14-03082-06	TRG	FEEBRIS1C-12B.054-055GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-210	LANL ER-130 Modified	2.24E+00	1.29E+00	1.30E+00	2.20E+00	pCi/g	3/18/2014	475.51	60				06	PB-210	
14-03082-06	TRG	FEEBRIS1C-12B.054-055GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-212	LANL ER-130 Modified	1.23E+00	1.63E-01	1.75E-01	2.31E-01	pCi/g	3/18/2014	475.51	60				06	PB-212	
14-03082-06	TRG	FEEBRIS1C-12B.054-055GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-214	LANL ER-130 Modified	1.77E+00	2.48E-01	2.64E-01	2.94E-01	pCi/g	3/18/2014	475.51	60				06	PB-214	
14-03082-06	TRG	FEEBRIS1C-12B.054-055GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03082	Thallium-208	LANL ER-130 Modified	7.17E-01	1.80E-01	1.84E-01	1.64E-01	pCi/g	3/18/2014	475.51	60				06	TL-208	
14-03082-07	TRG	FEEBRIS1C-12B.053-054GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Actinium-228	LANL ER-130 Modified	6.29E-01	3.76E-01	3.77E-01	6.95E-01	pCi/g	3/18/2014	597.78	60				07	AC-228	
14-03082-07	TRG	FEEBRIS1C-12B.053-054GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Bismuth-214	LANL ER-130 Modified	1.14E+00	2.87E-01	2.93E-01	4.10E-01	pCi/g	3/18/2014	597.78	60				07	BI-214	
14-03082-07	TRG	FEEBRIS1C-12B.053-054GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Potassium-40	LANL ER-130 Modified	1.23E+01	2.26E+00	2.35E+00	1.39E+00	pCi/g	3/18/2014	597.78	60				07	K-40	
14-03082-07	TRG	FEEBRIS1C-12B.053-054GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Protactinium-231	LANL ER-130 Modified	-6.17E-01	1.66E+00	1.66E+00	4.45E+00	pCi/g	3/18/2014	597.78	60				07	PA-231	
14-03082-07	TRG	FEEBRIS1C-12B.053-054GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-210	LANL ER-130 Modified	1.35E+00	1.31E+00	1.31E+00	2.17E+00	pCi/g	3/18/2014	597.78	60				07	PB-210	
14-03082-07	TRG	FEEBRIS1C-12B.053-054GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-212	LANL ER-130 Modified	9.56E-01	2.18E-01	2.23E-01	3.96E-01	pCi/g	3/18/2014	597.78	60				07	PB-212	
14-03082-07	TRG	FEEBRIS1C-12B.053-054GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-214	LANL ER-130 Modified	1.37E+00	2.98E-01	3.06E-01	3.54E-01	pCi/g	3/18/2014	597.78	60				07	PB-214	
14-03082-07	TRG	FEEBRIS1C-12B.053-054GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Thallium-208	LANL ER-130 Modified	8.76E-01	3.95E-01	3.98E-01	5.96E-01	pCi/g	3/18/2014	597.78	60				07	TL-208	

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									Purchase Order:		BT-026-PO1											
									Analysis Category:		ENVIRONMENTAL											
						Sample Matrix:		SO														
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-03082-08	TRG	FEEBRISWL-119.034-035GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Actinium-228	LANL ER-130 Modified	1.36E+00	4.27E-01	4.32E-01	9.11E-01	pCi/g	3/18/2014	528.02	60				08	AC-228	
14-03082-08	TRG	FEEBRISWL-119.034-035GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Bismuth-214	LANL ER-130 Modified	1.28E+00	3.10E-01	3.17E-01	5.08E-01	pCi/g	3/18/2014	528.02	60				08	BI-214	
14-03082-08	TRG	FEEBRISWL-119.034-035GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Potassium-40	LANL ER-130 Modified	1.97E+01	3.24E+00	3.39E+00	1.89E+00	pCi/g	3/18/2014	528.02	60				08	K-40	
14-03082-08	TRG	FEEBRISWL-119.034-035GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Protactinium-231	LANL ER-130 Modified	1.19E-01	1.56E+00	1.56E+00	5.42E+00	pCi/g	3/18/2014	528.02	60				08	PA-231	
14-03082-08	TRG	FEEBRISWL-119.034-035GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-210	LANL ER-130 Modified	5.46E-01	1.53E+00	1.53E+00	2.27E+00	pCi/g	3/18/2014	528.02	60				08	PB-210	
14-03082-08	TRG	FEEBRISWL-119.034-035GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-212	LANL ER-130 Modified	9.71E-01	2.24E-01	2.29E-01	4.23E-01	pCi/g	3/18/2014	528.02	60				08	PB-212	
14-03082-08	TRG	FEEBRISWL-119.034-035GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-214	LANL ER-130 Modified	1.28E+00	2.73E-01	2.81E-01	5.34E-01	pCi/g	3/18/2014	528.02	60				08	PB-214	
14-03082-08	TRG	FEEBRISWL-119.034-035GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Thallium-208	LANL ER-130 Modified	1.60E+00	5.14E-01	5.21E-01	8.64E-01	pCi/g	3/18/2014	528.02	60				08	TL-208	
14-03082-09	TRG	FEEBRISWL-119B.038-039GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Actinium-228	LANL ER-130 Modified	1.44E+00	3.64E-01	3.72E-01	8.11E-01	pCi/g	3/18/2014	256.09	60				09	AC-228	
14-03082-09	TRG	FEEBRISWL-119B.038-039GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Bismuth-214	LANL ER-130 Modified	1.57E+00	3.25E-01	3.35E-01	4.80E-01	pCi/g	3/18/2014	256.09	60				09	BI-214	
14-03082-09	TRG	FEEBRISWL-119B.038-039GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Potassium-40	LANL ER-130 Modified	2.59E+01	3.83E+00	4.06E+00	1.40E+00	pCi/g	3/18/2014	256.09	60				09	K-40	
14-03082-09	TRG	FEEBRISWL-119B.038-039GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Protactinium-231	LANL ER-130 Modified	2.59E-01	2.79E+00	2.79E+00	4.88E+00	pCi/g	3/18/2014	256.09	60				09	PA-231	
14-03082-09	TRG	FEEBRISWL-119B.038-039GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-210	LANL ER-130 Modified	1.97E+00	2.39E+00	2.39E+00	3.99E+00	pCi/g	3/18/2014	256.09	60				09	PB-210	
14-03082-09	TRG	FEEBRISWL-119B.038-039GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-212	LANL ER-130 Modified	1.76E+00	2.52E-01	2.67E-01	3.94E-01	pCi/g	3/18/2014	256.09	60				09	PB-212	
14-03082-09	TRG	FEEBRISWL-119B.038-039GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-214	LANL ER-130 Modified	1.52E+00	3.29E-01	3.38E-01	5.46E-01	pCi/g	3/18/2014	256.09	60				09	PB-214	
14-03082-09	TRG	FEEBRISWL-119B.038-039GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Thallium-208	LANL ER-130 Modified	1.33E+00	3.31E-01	3.38E-01	4.39E-01	pCi/g	3/18/2014	256.09	60				09	TL-208	
14-03082-10	TRG	FEEBRISWL-119C.043-044GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Actinium-228	LANL ER-130 Modified	9.83E-01	2.01E-01	2.07E-01	3.49E-01	pCi/g	3/18/2014	438.8	60				10	AC-228	
14-03082-10	TRG	FEEBRISWL-119C.043-044GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Bismuth-214	LANL ER-130 Modified	1.31E+00	1.93E-01	2.04E-01	2.72E-01	pCi/g	3/18/2014	438.8	60				10	BI-214	
14-03082-10	TRG	FEEBRISWL-119C.043-044GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Potassium-40	LANL ER-130 Modified	1.61E+01	2.11E+00	2.27E+00	1.15E+00	pCi/g	3/18/2014	438.8	60				10	K-40	
14-03082-10	TRG	FEEBRISWL-119C.043-044GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Protactinium-231	LANL ER-130 Modified	-7.21E-01	1.38E+00	1.38E+00	2.17E+00	pCi/g	3/18/2014	438.8	60				10	PA-231	
14-03082-10	TRG	FEEBRISWL-119C.043-044GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-210	LANL ER-130 Modified	1.30E+00	1.37E+00	1.38E+00	2.29E+00	pCi/g	3/18/2014	438.8	60				10	PB-210	
14-03082-10	TRG	FEEBRISWL-119C.043-044GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-212	LANL ER-130 Modified	9.58E-01	1.35E-01	1.44E-01	2.39E-01	pCi/g	3/18/2014	438.8	60				10	PB-212	
14-03082-10	TRG	FEEBRISWL-119C.043-044GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-214	LANL ER-130 Modified	1.27E+00	1.90E-01	2.00E-01	2.70E-01	pCi/g	3/18/2014	438.8	60				10	PB-214	
14-03082-10	TRG	FEEBRISWL-119C.043-044GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Thallium-208	LANL ER-130 Modified	8.15E-01	1.56E-01	1.62E-01	1.44E-01	pCi/g	3/18/2014	438.8	60				10	TL-208	

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			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL													
			Chatham, IL 62629					Sample Matrix:	SO													
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-03082-11	TRG	FEEBRISWL-119C.045-046GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Actinium-228	LANL ER-130 Modified	3.25E-01	2.51E-01	2.52E-01	4.63E-01	pCi/g	3/18/2014	325.59	60				11	AC-228	
14-03082-11	TRG	FEEBRISWL-119C.045-046GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Bismuth-214	LANL ER-130 Modified	8.66E-01	1.78E-01	1.83E-01	3.40E-01	pCi/g	3/18/2014	325.59	60				11	BI-214	
14-03082-11	TRG	FEEBRISWL-119C.045-046GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Potassium-40	LANL ER-130 Modified	6.59E+00	1.46E+00	1.50E+00	1.43E+00	pCi/g	3/18/2014	325.59	60				11	K-40	
14-03082-11	TRG	FEEBRISWL-119C.045-046GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Protactinium-231	LANL ER-130 Modified	-1.59E-01	1.50E+00	1.50E+00	2.47E+00	pCi/g	3/18/2014	325.59	60				11	PA-231	
14-03082-11	TRG	FEEBRISWL-119C.045-046GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-210	LANL ER-130 Modified	1.11E+00	1.34E+00	1.34E+00	1.87E+00	pCi/g	3/18/2014	325.59	60				11	PB-210	
14-03082-11	TRG	FEEBRISWL-119C.045-046GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-212	LANL ER-130 Modified	2.98E-01	1.52E-01	1.53E-01	2.41E-01	pCi/g	3/18/2014	325.59	60				11	PB-212	
14-03082-11	TRG	FEEBRISWL-119C.045-046GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-214	LANL ER-130 Modified	7.35E-01	1.79E-01	1.82E-01	2.69E-01	pCi/g	3/18/2014	325.59	60				11	PB-214	
14-03082-11	TRG	FEEBRISWL-119C.045-046GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Thallium-208	LANL ER-130 Modified	4.19E-01	1.52E-01	1.54E-01	2.30E-01	pCi/g	3/18/2014	325.59	60				11	TL-208	
14-03082-12	TRG	FEEBRIS08-1B.029-030GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Actinium-228	LANL ER-130 Modified	1.29E-01	1.99E-01	1.99E-01	3.64E-01	pCi/g	3/18/2014	360.25	60				12	AC-228	
14-03082-12	TRG	FEEBRIS08-1B.029-030GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Bismuth-214	LANL ER-130 Modified	5.77E-01	1.50E-01	1.53E-01	1.45E-01	pCi/g	3/18/2014	360.25	60				12	BI-214	
14-03082-12	TRG	FEEBRIS08-1B.029-030GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Potassium-40	LANL ER-130 Modified	2.50E+00	9.30E-01	9.39E-01	1.03E+00	pCi/g	3/18/2014	360.25	60				12	K-40	
14-03082-12	TRG	FEEBRIS08-1B.029-030GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Protactinium-231	LANL ER-130 Modified	6.81E-01	1.59E+00	1.59E+00	2.56E+00	pCi/g	3/18/2014	360.25	60				12	PA-231	
14-03082-12	TRG	FEEBRIS08-1B.029-030GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-210	LANL ER-130 Modified	2.88E+00	1.26E+00	1.27E+00	2.24E+00	pCi/g	3/18/2014	360.25	60				12	PB-210	
14-03082-12	TRG	FEEBRIS08-1B.029-030GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-212	LANL ER-130 Modified	2.27E-01	9.94E-02	1.00E-01	2.22E-01	pCi/g	3/18/2014	360.25	60				12	PB-212	
14-03082-12	TRG	FEEBRIS08-1B.029-030GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-214	LANL ER-130 Modified	7.66E-01	1.56E-01	1.61E-01	2.46E-01	pCi/g	3/18/2014	360.25	60				12	PB-214	
14-03082-12	TRG	FEEBRIS08-1B.029-030GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Thallium-208	LANL ER-130 Modified	2.56E-01	1.59E-01	1.59E-01	3.08E-01	pCi/g	3/18/2014	360.25	60				12	TL-208	
14-03082-13	TRG	FEEBRIS08-1B.028-029GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Actinium-228	LANL ER-130 Modified	4.81E-01	3.27E-01	3.28E-01	5.89E-01	pCi/g	3/18/2014	260.67	60				13	AC-228	
14-03082-13	TRG	FEEBRIS08-1B.028-029GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Bismuth-214	LANL ER-130 Modified	9.56E-01	1.87E-01	1.94E-01	5.52E-01	pCi/g	3/18/2014	260.67	60				13	BI-214	
14-03082-13	TRG	FEEBRIS08-1B.028-029GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Potassium-40	LANL ER-130 Modified	6.68E+00	1.48E+00	1.51E+00	3.16E+00	pCi/g	3/18/2014	260.67	60				13	K-40	
14-03082-13	TRG	FEEBRIS08-1B.028-029GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Protactinium-231	LANL ER-130 Modified	9.94E-01	2.06E+00	2.06E+00	3.47E+00	pCi/g	3/18/2014	260.67	60				13	PA-231	
14-03082-13	TRG	FEEBRIS08-1B.028-029GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-210	LANL ER-130 Modified	1.03E+00	1.57E+00	1.57E+00	2.14E+00	pCi/g	3/18/2014	260.67	60				13	PB-210	
14-03082-13	TRG	FEEBRIS08-1B.028-029GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-212	LANL ER-130 Modified	4.28E-01	1.66E-01	1.68E-01	2.95E-01	pCi/g	3/18/2014	260.67	60				13	PB-212	
14-03082-13	TRG	FEEBRIS08-1B.028-029GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-214	LANL ER-130 Modified	9.72E-01	2.04E-01	2.10E-01	2.66E-01	pCi/g	3/18/2014	260.67	60				13	PB-214	
14-03082-13	TRG	FEEBRIS08-1B.028-029GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Thallium-208	LANL ER-130 Modified	5.24E-01	2.09E-01	2.11E-01	3.69E-01	pCi/g	3/18/2014	260.67	60				13	TL-208	

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:														
			Dan Feezor					SDG:		14-03082												
			Feezor Engineering, Inc.					Purchase Order:		BT-026-PO1												
			406 East Walnut Street Chatham, IL 62629					Analysis Category:		ENVIRONMENTAL												
								Sample Matrix:		SO												
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-03082-14	TRG	FEEBRIS08-1B.028-029GP-D	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Actinium-228	LANL ER-130 Modified	8.29E-01	3.66E-01	3.68E-01	8.22E-01	pCi/g	3/18/2014	250.3	60				14	AC-228	
14-03082-14	TRG	FEEBRIS08-1B.028-029GP-D	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Bismuth-214	LANL ER-130 Modified	1.73E+00	3.26E-01	3.38E-01	4.82E-01	pCi/g	3/18/2014	250.3	60				14	BI-214	
14-03082-14	TRG	FEEBRIS08-1B.028-029GP-D	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Potassium-40	LANL ER-130 Modified	1.73E+01	2.91E+00	3.04E+00	2.02E+00	pCi/g	3/18/2014	250.3	60				14	K-40	
14-03082-14	TRG	FEEBRIS08-1B.028-029GP-D	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Protactinium-231	LANL ER-130 Modified	2.83E-01	2.99E+00	2.99E+00	4.42E+00	pCi/g	3/18/2014	250.3	60				14	PA-231	
14-03082-14	TRG	FEEBRIS08-1B.028-029GP-D	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-210	LANL ER-130 Modified	3.76E+00	2.06E+00	2.07E+00	3.58E+00	pCi/g	3/18/2014	250.3	60				14	PB-210	
14-03082-14	TRG	FEEBRIS08-1B.028-029GP-D	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-212	LANL ER-130 Modified	9.80E-01	1.94E-01	2.00E-01	3.45E-01	pCi/g	3/18/2014	250.3	60				14	PB-212	
14-03082-14	TRG	FEEBRIS08-1B.028-029GP-D	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-214	LANL ER-130 Modified	1.84E+00	2.97E-01	3.11E-01	4.24E-01	pCi/g	3/18/2014	250.3	60				14	PB-214	
14-03082-14	TRG	FEEBRIS08-1B.028-029GP-D	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Thallium-208	LANL ER-130 Modified	4.36E-01	2.32E-01	2.33E-01	4.50E-01	pCi/g	3/18/2014	250.3	60				14	TL-208	
14-03082-15	TRG	FEEBRIS02-3.034-035GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Actinium-228	LANL ER-130 Modified	1.64E+00	4.86E-01	4.93E-01	1.95E+00	pCi/g	3/18/2014	451.7	60				15	AC-228	
14-03082-15	TRG	FEEBRIS02-3.034-035GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Bismuth-214	LANL ER-130 Modified	3.23E+00	4.90E-01	5.17E-01	1.89E-01	pCi/g	3/18/2014	451.7	60				15	BI-214	
14-03082-15	TRG	FEEBRIS02-3.034-035GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Potassium-40	LANL ER-130 Modified	2.07E+01	3.84E+00	3.99E+00	3.43E+00	pCi/g	3/18/2014	451.7	60				15	K-40	
14-03082-15	TRG	FEEBRIS02-3.034-035GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Protactinium-231	LANL ER-130 Modified	2.37E-01	3.30E+00	3.30E+00	7.59E+00	pCi/g	3/18/2014	451.7	60				15	PA-231	
14-03082-15	TRG	FEEBRIS02-3.034-035GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-210	LANL ER-130 Modified	7.40E-01	2.26E+00	2.26E+00	3.32E+00	pCi/g	3/18/2014	451.7	60				15	PB-210	
14-03082-15	TRG	FEEBRIS02-3.034-035GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-212	LANL ER-130 Modified	1.38E+00	3.17E-01	3.24E-01	6.42E-01	pCi/g	3/18/2014	451.7	60				15	PB-212	
14-03082-15	TRG	FEEBRIS02-3.034-035GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Lead-214	LANL ER-130 Modified	3.84E+00	5.29E-01	5.64E-01	6.14E-01	pCi/g	3/18/2014	451.7	60				15	PB-214	
14-03082-15	TRG	FEEBRIS02-3.034-035GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03082	Thallium-208	LANL ER-130 Modified	1.69E+00	5.86E-01	5.92E-01	8.56E-01	pCi/g	3/18/2014	451.7	60				15	TL-208	
14-03082-02	MBL	BLANK	03/17/14 00:00	3/17/2014	3/21/2014	14-03082	Actinium-227	EML Th-01 Modified	2.02E-02	2.31E-02	2.32E-02	3.03E-02	pCi/g	3/19/2014	2	170	3.49		18.4	02	AC-227	
14-03082-03	DUP	FEEBRIS1C-6TI.022-023GP	03/12/14 00:00	3/17/2014	3/21/2014	14-03082	Actinium-227	EML Th-01 Modified	4.39E-02	3.60E-02	3.64E-02	3.55E-02	pCi/g	3/19/2014	2.102	170	6.49		18.7	03	AC-227	
14-03082-04	DO	FEEBRIS1C-6TI.022-023GP	03/12/14 00:00	3/17/2014	3/21/2014	14-03082	Actinium-227	EML Th-01 Modified	5.51E-02	4.30E-02	4.36E-02	3.37E-02	pCi/g	3/19/2014	2.102	170	6.83		17.7	04	AC-227	
14-03082-05	TRG	FEEBRIS1C-12.049-050GP	03/12/14 00:00	3/17/2014	3/21/2014	14-03082	Actinium-227	EML Th-01 Modified	4.88E-02	4.77E-02	4.81E-02	5.85E-02	pCi/g	3/19/2014	2.014	170	5		16.9	05	AC-227	
14-03082-06	TRG	FEEBRIS1C-12B.054-055GP	03/12/14 00:00	3/17/2014	3/24/2014	14-03082	Actinium-227	EML Th-01 Modified	2.26E-01	9.99E-02	1.04E-01	4.85E-02	pCi/g	3/19/2014	2.08	170	24.5		17.5	06	AC-227	
14-03082-07	TRG	FEEBRIS1C-12B.053-054GP	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Actinium-227	EML Th-01 Modified	7.12E-02	6.55E-02	6.61E-02	8.31E-02	pCi/g	3/19/2014	2.14	170	6.3		17.4	07	AC-227	
14-03082-08	TRG	FEEBRISWL-119.034-035GP	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Actinium-227	EML Th-01 Modified	5.37E-02	4.18E-02	4.23E-02	4.53E-02	pCi/g	3/19/2014	2.198	170	7.81		18.5	08	AC-227	
14-03082-09	TRG	FEEBRISWL-119B.038-039GP	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Actinium-227	EML Th-01 Modified	5.53E-02	4.51E-02	4.57E-02	5.26E-02	pCi/g	3/19/2014	2.066	170	7.47		19.2	09	AC-227	
14-03082-10	TRG	FEEBRISWL-119C.043-044GP	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Actinium-227	EML Th-01 Modified	9.71E-02	5.46E-02	5.59E-02	4.11E-02	pCi/g	3/19/2014	2.062	170	14.1		20.1	10	AC-227	
14-03082-11	TRG	FEEBRISWL-119C.045-046GP	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Actinium-227	EML Th-01 Modified	2.49E-01	1.58E-01	1.61E-01	1.14E-01	pCi/g	3/19/2014	2.124	170	12.3		19.3	11	AC-227	
14-03082-12	TRG	FEEBRIS08-1B.029-030GP	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Actinium-227	EML Th-01 Modified	5.30E-02	5.28E-02	5.32E-02	7.32E-02	pCi/g	3/19/2014	2.064	170	5.79		18.6	12	AC-227	
14-03082-13	TRG	FEEBRIS08-1B.028-029GP	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Actinium-227	EML Th-01 Modified	5.97E-02	5.68E-02	5.73E-02	7.76E-02	pCi/g	3/19/2014	2.048	170	6.45		18.3	13	AC-227	
14-03082-14	TRG	FEEBRIS08-1B.028-029GP-D	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Actinium-227	EML Th-01 Modified	1.47E-01	9.10E-02	9.28E-02	6.01E-02	pCi/g	3/19/2014	2.072	170	11.7		14.3	14	AC-227	
14-03082-15	TRG	FEEBRIS02-3.034-035GP	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Actinium-227	EML Th-01 Modified	1.16E-01	5.87E-02	6.04E-02	4.92E-02	pCi/g	3/19/2014	2.144	170	18.8		16.8	15	AC-227	

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:														
			Dan Feezor					SDG:		14-03082												
			Feezor Engineering, Inc.					Purchase Order:		BT-026-PO1												
			406 East Walnut Street					Analysis Category:		ENVIRONMENTAL												
			Chatham, IL 62629					Sample Matrix:		SO												
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-03082-01	LCS	KNOWN	03/17/14 00:00	3/17/2014	3/21/2014	14-03082	Thorium-230	EML Th-01 Modified	5.44E+00	1.47E-01			pCi/g	3/19/2014	1	170	357		18.7	01	TH-230	5.4351
14-03082-01	LCS	SPIKE	03/17/14 00:00	3/17/2014	3/21/2014	14-03082	Thorium-230	EML Th-01 Modified	5.63E+00	9.29E-01	1.16E+00	8.26E-02	pCi/g	3/19/2014	1	170	357		18.7	01	TH-230	5.4351
14-03082-02	MBL	BLANK	03/17/14 00:00	3/17/2014	3/21/2014	14-03082	Thorium-230	EML Th-01 Modified	2.63E-02	2.52E-02	2.54E-02	2.70E-02	pCi/g	3/19/2014	2	170	4.66		18.4	02	TH-230	
14-03082-03	DUP	FEEBRIS1C-6TI.022-023GP	03/12/14 00:00	3/17/2014	3/21/2014	14-03082	Thorium-230	EML Th-01 Modified	3.32E-01	1.07E-01	1.14E-01	3.72E-02	pCi/g	3/19/2014	2.102	170	50.3		18.7	03	TH-230	
14-03082-04	DO	FEEBRIS1C-6TI.022-023GP	03/12/14 00:00	3/17/2014	3/21/2014	14-03082	Thorium-230	EML Th-01 Modified	3.93E-01	1.29E-01	1.38E-01	3.29E-02	pCi/g	3/19/2014	2.102	170	49.8		17.7	04	TH-230	
14-03082-05	TRG	FEEBRIS1C-12.049-050GP	03/12/14 00:00	3/17/2014	3/21/2014	14-03082	Thorium-230	EML Th-01 Modified	4.27E-01	1.49E-01	1.58E-01	3.98E-02	pCi/g	3/19/2014	2.014	170	44.8		16.9	05	TH-230	
14-03082-06	TRG	FEEBRIS1C-12B.054-055GP	03/12/14 00:00	3/17/2014	3/24/2014	14-03082	Thorium-230	EML Th-01 Modified	9.41E+00	1.83E+00	2.17E+00	3.76E-02	pCi/g	3/19/2014	2.08	170	1040		17.5	06	TH-230	
14-03082-07	TRG	FEEBRIS1C-12B.053-054GP	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Thorium-230	EML Th-01 Modified	6.58E-01	2.17E-01	2.32E-01	7.57E-02	pCi/g	3/19/2014	2.14	170	59.6		17.4	07	TH-230	
14-03082-08	TRG	FEEBRISWL-119.034-035GP	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Thorium-230	EML Th-01 Modified	3.80E-01	1.19E-01	1.28E-01	4.60E-02	pCi/g	3/19/2014	2.198	170	56.6		18.5	08	TH-230	
14-03082-09	TRG	FEEBRISWL-119B.038-039GP	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Thorium-230	EML Th-01 Modified	6.49E-01	1.74E-01	1.92E-01	4.76E-02	pCi/g	3/19/2014	2.066	170	89.8		19.2	09	TH-230	
14-03082-10	TRG	FEEBRISWL-119C.043-044GP	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Thorium-230	EML Th-01 Modified	3.03E+00	5.65E-01	6.78E-01	4.02E-02	pCi/g	3/19/2014	2.062	170	453		20.1	10	TH-230	
14-03082-11	TRG	FEEBRISWL-119C.045-046GP	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Thorium-230	EML Th-01 Modified	4.20E+00	1.26E+00	1.37E+00	1.03E-01	pCi/g	3/19/2014	2.124	170	213		19.3	11	TH-230	
14-03082-12	TRG	FEEBRIS08-1B.029-030GP	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Thorium-230	EML Th-01 Modified	8.05E-01	2.23E-01	2.45E-01	5.35E-02	pCi/g	3/19/2014	2.064	170	90.2		18.6	12	TH-230	
14-03082-13	TRG	FEEBRIS08-1B.028-029GP	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Thorium-230	EML Th-01 Modified	3.42E+00	7.22E-01	8.37E-01	6.84E-02	pCi/g	3/19/2014	2.048	170	379		18.3	13	TH-230	
14-03082-14	TRG	FEEBRIS08-1B.028-029GP-D	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Thorium-230	EML Th-01 Modified	1.04E+01	2.32E+00	2.65E+00	7.34E-02	pCi/g	3/19/2014	2.072	170	847		14.3	14	TH-230	
14-03082-15	TRG	FEEBRIS02-3.034-035GP	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Thorium-230	EML Th-01 Modified	1.68E+01	2.72E+00	3.42E+00	3.96E-02	pCi/g	3/19/2014	2.144	170	2790		16.8	15	TH-230	
14-03082-01	LCS	KNOWN	03/17/14 00:00	3/17/2014	3/21/2014	14-03082	Thorium-232	EML Th-01 Modified	4.80E+00	1.73E-01			pCi/g	3/19/2014	1	170	318		18.7	01	TH-232	4.8001
14-03082-01	LCS	SPIKE	03/17/14 00:00	3/17/2014	3/21/2014	14-03082	Thorium-232	EML Th-01 Modified	4.99E+00	8.44E-01	9.52E-01	6.56E-02	pCi/g	3/19/2014	1	170	318		18.7	01	TH-232	4.8001
14-03082-02	MBL	BLANK	03/17/14 00:00	3/17/2014	3/21/2014	14-03082	Thorium-232	EML Th-01 Modified	1.03E-02	1.58E-02	1.58E-02	2.35E-02	pCi/g	3/19/2014	2	170	1.83		18.4	02	TH-232	
14-03082-03	DUP	FEEBRIS1C-6TI.022-023GP	03/12/14 00:00	3/17/2014	3/21/2014	14-03082	Thorium-232	EML Th-01 Modified	7.02E-02	4.44E-02	4.48E-02	3.15E-02	pCi/g	3/19/2014	2.102	170	10.7		18.7	03	TH-232	
14-03082-04	DO	FEEBRIS1C-6TI.022-023GP	03/12/14 00:00	3/17/2014	3/21/2014	14-03082	Thorium-232	EML Th-01 Modified	2.12E-01	8.97E-02	9.16E-02	4.72E-02	pCi/g	3/19/2014	2.102	170	27		17.7	04	TH-232	
14-03082-05	TRG	FEEBRIS1C-12.049-050GP	03/12/14 00:00	3/17/2014	3/21/2014	14-03082	Thorium-232	EML Th-01 Modified	1.70E-01	8.53E-02	8.66E-02	3.97E-02	pCi/g	3/19/2014	2.014	170	17.8		16.9	05	TH-232	
14-03082-06	TRG	FEEBRIS1C-12B.054-055GP	03/12/14 00:00	3/17/2014	3/24/2014	14-03082	Thorium-232	EML Th-01 Modified	3.85E-01	1.36E-01	1.40E-01	3.76E-02	pCi/g	3/19/2014	2.08	170	42.8		17.5	06	TH-232	
14-03082-07	TRG	FEEBRIS1C-12B.053-054GP	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Thorium-232	EML Th-01 Modified	3.36E-01	1.39E-01	1.42E-01	5.78E-02	pCi/g	3/19/2014	2.14	170	30.5		17.4	07	TH-232	
14-03082-08	TRG	FEEBRISWL-119.034-035GP	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Thorium-232	EML Th-01 Modified	3.10E-01	1.04E-01	1.07E-01	3.78E-02	pCi/g	3/19/2014	2.198	170	46.3		18.5	08	TH-232	
14-03082-09	TRG	FEEBRISWL-119B.038-039GP	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Thorium-232	EML Th-01 Modified	5.55E-01	1.56E-01	1.64E-01	4.55E-02	pCi/g	3/19/2014	2.066	170	77		19.2	09	TH-232	
14-03082-10	TRG	FEEBRISWL-119C.043-044GP	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Thorium-232	EML Th-01 Modified	4.04E-01	1.22E-01	1.27E-01	3.51E-02	pCi/g	3/19/2014	2.062	170	60.5		20.1	10	TH-232	
14-03082-11	TRG	FEEBRISWL-119C.045-046GP	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Thorium-232	EML Th-01 Modified	4.62E-01	2.26E-01	2.30E-01	1.03E-01	pCi/g	3/19/2014	2.124	170	23.5		19.3	11	TH-232	
14-03082-12	TRG	FEEBRIS08-1B.029-030GP	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Thorium-232	EML Th-01 Modified	1.29E-01	7.19E-02	7.28E-02	4.68E-02	pCi/g	3/19/2014	2.064	170	14.5		18.6	12	TH-232	
14-03082-13	TRG	FEEBRIS08-1B.028-029GP	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Thorium-232	EML Th-01 Modified	1.49E-01	7.80E-02	7.91E-02	4.73E-02	pCi/g	3/19/2014	2.048	170	16.5		18.3	13	TH-232	
14-03082-14	TRG	FEEBRIS08-1B.028-029GP-D	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Thorium-232	EML Th-01 Modified	1.88E-01	1.04E-01	1.06E-01	6.91E-02	pCi/g	3/19/2014	2.072	170	15.3		14.3	14	TH-232	
14-03082-15	TRG	FEEBRIS02-3.034-035GP	03/13/14 00:00	3/17/2014	3/22/2014	14-03082	Thorium-232	EML Th-01 Modified	2.58E-01	8.81E-02	9.09E-02	3.78E-02	pCi/g	3/19/2014	2.144	170	43		16.8	15	TH-232	

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:														
			Dan Feezor					SDG:		14-03082												
			Feezor Engineering, Inc.					Purchase Order:		BT-026-PO1												
			406 East Walnut Street Chatham, IL 62629					Analysis Category:		ENVIRONMENTAL												
								Sample Matrix:		SO												
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-03082-01	LCS	KNOWN	03/17/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-234	EML U-02 Modified	8.02E+00	2.89E-01			pCi/g	3/19/2014	1	170	611		17.4	01	U-234	8.0242
14-03082-01	LCS	SPIKE	03/17/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-234	EML U-02 Modified	7.84E+00	1.05E+00	1.19E+00	8.80E-02	pCi/g	3/19/2014	1	170	611		17.4	01	U-234	8.0242
14-03082-02	MBL	BLANK	03/17/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-234	EML U-02 Modified	1.54E-02	3.32E-02	3.33E-02	6.46E-02	pCi/g	3/19/2014	2	170	1.64		18.5	02	U-234	
14-03082-03	DUP	FEEBRIS1C-6TI.022-023GP	03/12/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-234	EML U-02 Modified	6.19E-01	1.24E-01	1.32E-01	3.45E-02	pCi/g	3/19/2014	2.102	170.02	127		19.2	03	U-234	
14-03082-04	DO	FEEBRIS1C-6TI.022-023GP	03/12/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-234	EML U-02 Modified	6.03E-01	1.22E-01	1.30E-01	2.93E-02	pCi/g	3/19/2014	2.102	170	123		20.1	04	U-234	
14-03082-05	TRG	FEEBRIS1C-12.049-050GP	03/12/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-234	EML U-02 Modified	6.12E-01	1.25E-01	1.32E-01	2.42E-02	pCi/g	3/19/2014	2.014	170	121		19.3	05	U-234	
14-03082-06	TRG	FEEBRIS1C-12B.054-055GP	03/12/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-234	EML U-02 Modified	5.23E-01	1.19E-01	1.25E-01	4.16E-02	pCi/g	3/19/2014	2.08	170	95.1		18.6	06	U-234	
14-03082-07	TRG	FEEBRIS1C-12B.053-054GP	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-234	EML U-02 Modified	6.21E-01	1.46E-01	1.52E-01	5.05E-02	pCi/g	3/19/2014	2.14	170	93.1		18.3	07	U-234	
14-03082-08	TRG	FEEBRISWL-119.034-035GP	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-234	EML U-02 Modified	6.00E-01	1.58E-01	1.64E-01	4.34E-02	pCi/g	3/19/2014	2.198	170	72.5		14.3	08	U-234	
14-03082-09	TRG	FEEBRISWL-119B.038-039GP	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-234	EML U-02 Modified	3.56E-01	9.55E-02	9.88E-02	2.36E-02	pCi/g	3/19/2014	2.066	170	62.8		17.5	09	U-234	
14-03082-10	TRG	FEEBRISWL-119C.043-044GP	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-234	EML U-02 Modified	4.80E-01	1.13E-01	1.18E-01	2.34E-02	pCi/g	3/19/2014	2.062	170	85.8		17	10	U-234	
14-03082-11	TRG	FEEBRISWL-119C.045-046GP	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-234	EML U-02 Modified	4.77E-01	1.09E-01	1.14E-01	3.23E-02	pCi/g	3/19/2014	2.124	170	93		16.3	11	U-234	
14-03082-12	TRG	FEEBRIS08-1B.029-030GP	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-234	EML U-02 Modified	7.44E-01	1.61E-01	1.69E-01	2.78E-02	pCi/g	3/19/2014	2.064	170	112		15.9	12	U-234	
14-03082-13	TRG	FEEBRIS08-1B.028-029GP	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-234	EML U-02 Modified	3.52E-01	1.05E-01	1.08E-01	3.87E-02	pCi/g	3/19/2014	2.048	170	51.3		18.5	13	U-234	
14-03082-14	TRG	FEEBRIS08-1B.028-029GP-D	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-234	EML U-02 Modified	4.15E-01	1.01E-01	1.05E-01	2.52E-02	pCi/g	3/19/2014	2.072	170	78.7		18.2	14	U-234	
14-03082-15	TRG	FEEBRIS02-3.034-035GP	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-234	EML U-02 Modified	4.94E-01	1.12E-01	1.17E-01	3.11E-02	pCi/g	3/19/2014	2.144	170	95.2		17.9	15	U-234	
14-03082-01	LCS	SPIKE	03/17/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-235	EML U-02 Modified	6.22E-01	2.08E-01	2.12E-01	8.93E-02	pCi/g	3/19/2014	1	170	39.3		17.4	01	U-235	
14-03082-02	MBL	BLANK	03/17/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-235	EML U-02 Modified	7.44E-03	3.40E-02	3.40E-02	7.97E-02	pCi/g	3/19/2014	2	170	0.64		18.5	02	U-235	
14-03082-03	DUP	FEEBRIS1C-6TI.022-023GP	03/12/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-235	EML U-02 Modified	1.89E-02	2.40E-02	2.40E-02	3.59E-02	pCi/g	3/19/2014	2.102	170.02	3.15		19.2	03	U-235	
14-03082-04	DO	FEEBRIS1C-6TI.022-023GP	03/12/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-235	EML U-02 Modified	5.23E-02	3.60E-02	3.62E-02	2.89E-02	pCi/g	3/19/2014	2.102	170	8.66		20.1	04	U-235	
14-03082-05	TRG	FEEBRIS1C-12.049-050GP	03/12/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-235	EML U-02 Modified	6.15E-02	3.93E-02	3.95E-02	2.61E-02	pCi/g	3/19/2014	2.014	170	9.83		19.3	05	U-235	
14-03082-06	TRG	FEEBRIS1C-12B.054-055GP	03/12/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-235	EML U-02 Modified	4.29E-02	3.57E-02	3.59E-02	3.83E-02	pCi/g	3/19/2014	2.08	170	6.32		18.6	06	U-235	
14-03082-07	TRG	FEEBRIS1C-12B.053-054GP	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-235	EML U-02 Modified	3.27E-02	3.69E-02	3.69E-02	5.18E-02	pCi/g	3/19/2014	2.14	170	3.98		18.3	07	U-235	
14-03082-08	TRG	FEEBRISWL-119.034-035GP	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-235	EML U-02 Modified	2.54E-02	3.53E-02	3.54E-02	5.36E-02	pCi/g	3/19/2014	2.198	170	2.49		14.3	08	U-235	
14-03082-09	TRG	FEEBRISWL-119B.038-039GP	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-235	EML U-02 Modified	2.67E-02	2.76E-02	2.77E-02	2.91E-02	pCi/g	3/19/2014	2.066	170	3.83		17.5	09	U-235	
14-03082-10	TRG	FEEBRISWL-119C.043-044GP	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-235	EML U-02 Modified	1.95E-02	2.36E-02	2.37E-02	2.88E-02	pCi/g	3/19/2014	2.062	170	2.83		17	10	U-235	
14-03082-11	TRG	FEEBRISWL-119C.045-046GP	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-235	EML U-02 Modified	3.80E-02	3.30E-02	3.31E-02	3.79E-02	pCi/g	3/19/2014	2.124	170	6		16.3	11	U-235	
14-03082-12	TRG	FEEBRIS08-1B.029-030GP	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-235	EML U-02 Modified	5.60E-02	4.31E-02	4.33E-02	3.42E-02	pCi/g	3/19/2014	2.064	170	6.83		15.9	12	U-235	
14-03082-13	TRG	FEEBRIS08-1B.028-029GP	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-235	EML U-02 Modified	5.49E-02	4.46E-02	4.47E-02	4.44E-02	pCi/g	3/19/2014	2.048	170	6.49		18.5	13	U-235	
14-03082-14	TRG	FEEBRIS08-1B.028-029GP-D	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-235	EML U-02 Modified	4.55E-02	3.64E-02	3.65E-02	3.90E-02	pCi/g	3/19/2014	2.072	170	7		18.2	14	U-235	
14-03082-15	TRG	FEEBRIS02-3.034-035GP	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-235	EML U-02 Modified	4.26E-02	3.36E-02	3.38E-02	3.06E-02	pCi/g	3/19/2014	2.144	170	6.66		17.9	15	U-235	

Eberline Analytical Final Report of Analysis			Report To:						Work Order Details:													
			Dan Feezor						SDG:	14-03082												
			Feezor Engineering, Inc.						Purchase Order:	BT-026-PO1												
			406 East Walnut Street						Analysis Category:	ENVIRONMENTAL												
			Chatham, IL 62629						Sample Matrix:	SO												
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-03082-01	LCS	KNOWN	03/17/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-238	EML U-02 Modified	7.82E+00	2.82E-01			pCi/g	3/19/2014	1	170	583		17.4	01	U-238	7.8216
14-03082-01	LCS	SPIKE	03/17/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-238	EML U-02 Modified	7.45E+00	1.01E+00	1.14E+00	7.21E-02	pCi/g	3/19/2014	1	170	583		17.4	01	U-238	7.8216
14-03082-02	MBL	BLANK	03/17/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-238	EML U-02 Modified	4.60E-03	1.92E-02	1.92E-02	4.92E-02	pCi/g	3/19/2014	2	170	0.49		18.5	02	U-238	
14-03082-03	DUP	FEEBRIS1C-6TI.022-023GP	03/12/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-238	EML U-02 Modified	5.42E-01	1.14E-01	1.20E-01	2.90E-02	pCi/g	3/19/2014	2.102	170.02	112		19.2	03	U-238	
14-03082-04	DO	FEEBRIS1C-6TI.022-023GP	03/12/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-238	EML U-02 Modified	5.35E-01	1.13E-01	1.20E-01	2.33E-02	pCi/g	3/19/2014	2.102	170	110		20.1	04	U-238	
14-03082-05	TRG	FEEBRIS1C-12.049-050GP	03/12/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-238	EML U-02 Modified	4.79E-01	1.07E-01	1.13E-01	2.11E-02	pCi/g	3/19/2014	2.014	170	94.8		19.3	05	U-238	
14-03082-06	TRG	FEEBRIS1C-12B.054-055GP	03/12/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-238	EML U-02 Modified	6.08E-01	1.30E-01	1.37E-01	3.28E-02	pCi/g	3/19/2014	2.08	170	111		18.6	06	U-238	
14-03082-07	TRG	FEEBRIS1C-12B.053-054GP	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-238	EML U-02 Modified	7.23E-01	1.59E-01	1.67E-01	4.38E-02	pCi/g	3/19/2014	2.14	170	109		18.3	07	U-238	
14-03082-08	TRG	FEEBRISWL-119.034-035GP	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-238	EML U-02 Modified	5.77E-01	1.54E-01	1.60E-01	4.94E-02	pCi/g	3/19/2014	2.198	170	70		14.3	08	U-238	
14-03082-09	TRG	FEEBRISWL-119B.038-039GP	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-238	EML U-02 Modified	3.49E-01	9.49E-02	9.81E-02	3.38E-02	pCi/g	3/19/2014	2.066	170	62		17.5	09	U-238	
14-03082-10	TRG	FEEBRISWL-119C.043-044GP	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-238	EML U-02 Modified	5.27E-01	1.20E-01	1.25E-01	2.92E-02	pCi/g	3/19/2014	2.062	170	94.5		17	10	U-238	
14-03082-11	TRG	FEEBRISWL-119C.045-046GP	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-238	EML U-02 Modified	3.77E-01	9.42E-02	9.79E-02	2.13E-02	pCi/g	3/19/2014	2.124	170	73.8		16.3	11	U-238	
14-03082-12	TRG	FEEBRIS08-1B.029-030GP	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-238	EML U-02 Modified	5.01E-01	1.26E-01	1.31E-01	3.17E-02	pCi/g	3/19/2014	2.064	170	75.7		15.9	12	U-238	
14-03082-13	TRG	FEEBRIS08-1B.028-029GP	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-238	EML U-02 Modified	3.70E-01	1.08E-01	1.11E-01	4.09E-02	pCi/g	3/19/2014	2.048	170	54.2		18.5	13	U-238	
14-03082-14	TRG	FEEBRIS08-1B.028-029GP-D	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-238	EML U-02 Modified	4.30E-01	1.03E-01	1.07E-01	2.19E-02	pCi/g	3/19/2014	2.072	170	81.8		18.2	14	U-238	
14-03082-15	TRG	FEEBRIS02-3.034-035GP	03/13/14 00:00	3/17/2014	3/21/2014	14-03082	Uranium-238	EML U-02 Modified	4.45E-01	1.07E-01	1.11E-01	5.04E-02	pCi/g	3/19/2014	2.144	170	86.1		17.9	15	U-238	



FROM: Cecilia Greene

TO: Mr. Dan Feezor, Feezor Engineering

CC: Mr. Paul Rosasco

DATE: 06/06/2014

RE: Transmittal of Validated Results for Eberline Work Order 14-03082

Eberline Services of Oak Ridge, TN has completed their analysis of the Phase 1 subsurface soil samples in Eberline Work Order 14-03082. The validated results are summarized in Table 1.

The laboratory quality control samples were validated using MARLAP criteria. All laboratory control samples fell within acceptable control limits.

A complete verification of all of the laboratory calculations was performed. 99.5% of the calculated results were within $\pm 10\%$ of the laboratory results. We were unable to reproduce the results of 1 lead-210 result with the information supplied by the laboratory. This is probably due to complex spectral de-convoluting operations performed by the spectroscopy software.

A non-detect result (U qualifiers) is determined by considering the analytical result and its uncertainty vs. the critical value as supplied by the laboratory.

The low abundance of the gamma lines used to identify and quantify protactinium-231 and lead-210 resulted in numerous J and Q (Combined Standard Uncertainty > Required Method Uncertainty) qualifiers. This condition increased the counting and combined standard uncertainty, and the minimum detectable activity. This condition does not constitute a non-conformance to the measurement quality objectives.

The full laboratory Level IV report of analysis will be retained at Auxier & Associates offices in Knoxville, TN where it is available for inspection upon request. Should you require additional information or further clarification, please contact me or Mr. Michael Bollenbacher at (865) 675-3669.

Sincerely,

Cecilia H. Greene, MPH, NRRPT
Auxier & Associates, Inc.
9821 Cogdill Road, Suite 1
Knoxville, TN 37932

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Health Physics and Environmental Radiation Consulting
A USA Environment, L.P. Company

Sample ID	Uranium-234 (pCi/g)	Uranium-235 (pCi/g)	Uranium-238 (pCi/g)	Thorium-230 (pCi/g)	Thorium-232 (pCi/g)	Actinium-227 (pCi/g)
Analytical Method	EML U-02 Modified	EML U-02 Modified	EML U-02 Modified	EML Th-01 Modified	EML Th-01 Modified	EML Th-01 Modified
FEEBRIS02-3.034-035GP	0.49 ± 0.12 {-}	0.04 ± 0.03 {-}	0.44 ± 0.11 {-}	16.79 ± 3.42 {-}	0.26 ± 0.09 {-}	0.12 ± 0.06 {-}
FEEBRIS08-1B.028-029GP	0.35 ± 0.11 {-}	0.05 ± 0.04 {-}	0.37 ± 0.11 {-}	3.42 ± 0.84 {-}	0.15 ± 0.08 {-}	< 0.02 (0.06 ± 0.06) {U}
FEEBRIS08-1B.028-029GP-D	0.41 ± 0.11 {-}	0.05 ± 0.04 {-}	0.43 ± 0.11 {-}	10.39 ± 2.65 {Q}	0.19 ± 0.11 {-}	0.15 ± 0.09 {-}
FEEBRIS08-1B.029-030GP	0.74 ± 0.17 {-}	0.06 ± 0.04 {-}	0.50 ± 0.13 {-}	0.81 ± 0.24 {-}	0.13 ± 0.07 {-}	< 0.02 (0.05 ± 0.05) {U}
FEEBRIS1C-12.049-050GP	0.61 ± 0.13 {-}	0.06 ± 0.04 {-}	0.48 ± 0.11 {-}	0.43 ± 0.16 {-}	0.17 ± 0.09 {-}	< 0.001 (0.05 ± 0.05) {U}
FEEBRIS1C-12B.053-054GP	0.62 ± 0.15 {-}	< 0.01 (0.03 ± 0.04) {U}	0.72 ± 0.17 {-}	0.66 ± 0.23 {-}	0.34 ± 0.14 {-}	< 0.02 (0.07 ± 0.07) {U}
FEEBRIS1C-12B.054-055GP	0.52 ± 0.12 {-}	0.04 ± 0.04 {-}	0.61 ± 0.14 {-}	9.41 ± 2.17 {-}	0.39 ± 0.14 {-}	0.23 ± 0.10 {-}
FEEBRIS1C-6TI.022-023GP	0.60 ± 0.13 {-}	0.05 ± 0.04 {-}	0.53 ± 0.12 {-}	0.39 ± 0.14 {-}	0.21 ± 0.09 {-}	0.06 ± 0.04 {-}
FEEBRISWL-119.034-035GP	0.60 ± 0.16 {-}	< 0.005 (0.03 ± 0.04) {U}	0.58 ± 0.16 {-}	0.38 ± 0.13 {-}	0.31 ± 0.11 {-}	0.05 ± 0.04 {-}
FEEBRISWL-119B.038-039GP	0.36 ± 0.10 {-}	< 0.01 (0.03 ± 0.03) {U}	0.35 ± 0.10 {-}	0.65 ± 0.19 {-}	0.56 ± 0.16 {-}	< 0.01 (0.06 ± 0.05) {U}
FEEBRISWL-119C.043-044GP	0.48 ± 0.12 {-}	< 0.001 (0.02 ± 0.02) {U}	0.53 ± 0.13 {-}	3.03 ± 0.68 {-}	0.40 ± 0.13 {-}	0.10 ± 0.06 {-}
FEEBRISWL-119C.045-046GP	0.48 ± 0.11 {-}	0.04 ± 0.03 {-}	0.38 ± 0.10 {-}	4.20 ± 1.37 {Q}	0.46 ± 0.23 {-}	0.25 ± 0.16 {-}

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

- Validated, no qualifiers assigned

Sample ID	Protactinium-231 (pCi/g)	Radium-228 (pCi/g)	Radium-226 (pCi/g)	Lead-210 (pCi/g)	Potassium-40 (pCi/g)
Analytical Method	LANL 130 Modified	LANL 130 Modified	LANL 130 Modified	LANL 130 Modified	LANL 130 Modified
FEEBRIS02-3.034-035GP	< 3.67 (0.24 ± 3.30) {UQJ}	1.64 ± 0.49 {J}	3.23 ± 0.52 {-}	< 1.63 (0.74 ± 2.26) {UQJ}	20.70 ± 3.99 {J}
FEEBRIS08-1B.028-029GP	< 1.63 (0.99 ± 2.06) {UQJ}	< 0.27 (0.48 ± 0.33) {UJ}	0.96 ± 0.19 {J}	< 1.03 (1.03 ± 1.57) {UQJ}	6.68 ± 1.51 {J}
FEEBRIS08-1B.028-029GP-D	< 2.08 (0.28 ± 2.99) {UQJ}	0.83 ± 0.37 {J}	1.73 ± 0.34 {-}	< 1.73 (3.76 ± 2.07) {UQJ}	17.26 ± 3.04 {J}
FEEBRIS08-1B.029-030GP	< 1.19 (0.68 ± 1.59) {UQJ}	< 0.16 (0.13 ± 0.20) {U}	0.58 ± 0.15 {-}	2.88 ± 1.27 {QJ}	2.50 ± 0.94 {-}
FEEBRIS1C-12.049-050GP	< 1.31 (-0.41 ± 1.73) {UQJ}	1.01 ± 0.33 {J}	1.53 ± 0.24 {-}	< 0.95 (1.62 ± 1.20) {UQJ}	13.35 ± 2.12 {-}
FEEBRIS1C-12B.053-054GP	< 2.13 (-0.62 ± 1.66) {UQJ}	< 0.32 (0.63 ± 0.38) {UJ}	1.14 ± 0.29 {-}	< 1.06 (1.35 ± 1.31) {UQJ}	12.30 ± 2.35 {-}
FEEBRIS1C-12B.054-055GP	< 1.50 (-0.38 ± 1.86) {UQJ}	1.02 ± 0.26 {-}	1.86 ± 0.26 {-}	< 1.07 (2.24 ± 1.30) {UQJ}	12.17 ± 2.00 {-}
FEEBRIS1C-6TI.022-023GP	< 1.09 (-0.26 ± 1.41) {UQJ}	0.84 ± 0.21 {-}	1.45 ± 0.20 {-}	< 0.762 (1.64 ± 1.13) {UQJ}	13.56 ± 1.91 {-}
FEEBRISWL-119.034-035GP	< 2.60 (0.12 ± 1.56) {UQJ}	1.36 ± 0.43 {J}	1.28 ± 0.32 {J}	< 1.10 (0.55 ± 1.53) {UQJ}	19.74 ± 3.39 {-}
FEEBRISWL-119B.038-039GP	< 2.32 (0.26 ± 2.79) {UQJ}	1.44 ± 0.37 {J}	1.57 ± 0.33 {-}	< 1.95 (1.97 ± 2.39) {UQJ}	25.89 ± 4.06 {-}
FEEBRISWL-119C.043-044GP	< 1.03 (-0.72 ± 1.38) {UQJ}	0.98 ± 0.21 {-}	1.31 ± 0.20 {-}	< 1.12 (1.30 ± 1.38) {UQJ}	16.05 ± 2.27 {-}
FEEBRISWL-119C.045-046GP	< 1.15 (-0.16 ± 1.50) {UQJ}	< 0.22 (0.32 ± 0.25) {U}	0.87 ± 0.18 {-}	< 0.901 (1.11 ± 1.34) {UQJ}	6.59 ± 1.50 {-}

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty/Relative Standard Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

- Validated, no qualifiers assigned

Eberline Analytical Final Report of Analysis			Report To:						Work Order Details:														
			Dan Feezor Feezor Engineering, Inc. 406 East Walnut Street Chatham, IL 62629						SDG:		14-03083												
									Purchase Order:		BT-026-PO1												
									Analysis Category:		ENVIRONMENTAL												
						Sample Matrix:		SO															
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	
14-03083-01	LCS	KNOWN	03/17/14 00:00	3/17/2014	4/17/2014	14-03083	Cobalt-60	LANL ER-130 Modified	1.30E+02	5.22E+00			pCi/g	3/18/2014	1	30				01	CO-60	130.4300	
14-03083-01	LCS	KNOWN	03/17/14 00:00	3/17/2014	4/17/2014	14-03083	Cesium-137	LANL ER-130 Modified	8.30E+01	3.32E+00			pCi/g	3/18/2014	1	30				01	CS-137	82.9600	
14-03083-01	LCS	SPIKE	03/17/14 00:00	3/17/2014	4/17/2014	14-03083	Cobalt-60	LANL ER-130 Modified	1.36E+02	8.42E+00	1.09E+01	7.55E-01	pCi/g	3/18/2014	1	30				01	CO-60	130.4300	
14-03083-01	LCS	SPIKE	03/17/14 00:00	3/17/2014	4/17/2014	14-03083	Cesium-137	LANL ER-130 Modified	8.89E+01	9.44E+00	1.05E+01	9.00E-01	pCi/g	3/18/2014	1	30				01	CS-137	82.9600	
14-03083-02	MBL	BLANK	03/17/14 00:00	3/17/2014	4/17/2014	14-03083	Actinium-228	LANL ER-130 Modified	-1.74E-02	1.28E-01	1.28E-01	1.96E-01	pCi/g	3/18/2014	1	60				02	AC-228		
14-03083-02	MBL	BLANK	03/17/14 00:00	3/17/2014	4/17/2014	14-03083	Bismuth-214	LANL ER-130 Modified	-4.75E-02	9.06E-02	9.06E-02	1.52E-01	pCi/g	3/18/2014	1	60				02	BI-214		
14-03083-02	MBL	BLANK	03/17/14 00:00	3/17/2014	4/17/2014	14-03083	Potassium-40	LANL ER-130 Modified	3.83E-02	4.22E-01	4.22E-01	7.56E-01	pCi/g	3/18/2014	1	60				02	K-40		
14-03083-02	MBL	BLANK	03/17/14 00:00	3/17/2014	4/17/2014	14-03083	Protactinium-231	LANL ER-130 Modified	-2.63E-02	1.36E+00	1.36E+00	1.93E+00	pCi/g	3/18/2014	1	60				02	PA-231		
14-03083-02	MBL	BLANK	03/17/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-210	LANL ER-130 Modified	6.09E-01	4.77E-01	4.78E-01	8.03E-01	pCi/g	3/18/2014	1	60				02	PB-210		
14-03083-02	MBL	BLANK	03/17/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-212	LANL ER-130 Modified	5.14E-02	6.21E-02	6.22E-02	9.72E-02	pCi/g	3/18/2014	1	60				02	PB-212		
14-03083-02	MBL	BLANK	03/17/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-214	LANL ER-130 Modified	1.04E-02	9.02E-02	9.02E-02	1.29E-01	pCi/g	3/18/2014	1	60				02	PB-214		
14-03083-02	MBL	BLANK	03/17/14 00:00	3/17/2014	4/17/2014	14-03083	Thallium-208	LANL ER-130 Modified	0.00E+00	1.14E-01	1.14E-01	1.91E-01	pCi/g	3/18/2014	1	60				02	TL-208		
14-03083-03	DUP	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Actinium-228	LANL ER-130 Modified	1.37E+00	8.21E-01	8.24E-01	1.45E+00	pCi/g	3/18/2014	147.64	60				03	AC-228		
14-03083-03	DUP	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Bismuth-214	LANL ER-130 Modified	2.15E+01	1.79E+00	2.10E+00	9.76E-01	pCi/g	3/18/2014	147.64	60				03	BI-214		
14-03083-03	DUP	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Potassium-40	LANL ER-130 Modified	3.32E+00	2.54E+00	2.54E+00	4.05E+00	pCi/g	3/18/2014	147.64	60				03	K-40		
14-03083-03	DUP	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Protactinium-231	LANL ER-130 Modified	3.03E+00	7.03E+00	7.03E+00	1.12E+01	pCi/g	3/18/2014	147.64	60				03	PA-231		
14-03083-03	DUP	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-210	LANL ER-130 Modified	3.64E+01	7.14E+00	7.38E+00	9.93E+00	pCi/g	3/18/2014	147.64	60				03	PB-210		
14-03083-03	DUP	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-212	LANL ER-130 Modified	-6.35E+00	8.93E-01	9.50E-01	6.57E-01	pCi/g	3/18/2014	147.64	60				03	PB-212		
14-03083-03	DUP	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-214	LANL ER-130 Modified	2.71E+01	1.88E+00	2.34E+00	1.11E+00	pCi/g	3/18/2014	147.64	60				03	PB-214		
14-03083-03	DUP	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Thallium-208	LANL ER-130 Modified	3.28E-01	2.86E-01	2.87E-01	5.07E-01	pCi/g	3/18/2014	147.64	60				03	TL-208		
14-03083-04	DO	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Actinium-228	LANL ER-130 Modified	4.53E-01	7.79E-01	7.79E-01	1.25E+00	pCi/g	3/18/2014	147.64	60				04	AC-228		
14-03083-04	DO	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Bismuth-214	LANL ER-130 Modified	2.11E+01	1.76E+00	2.06E+00	1.02E+00	pCi/g	3/18/2014	147.64	60				04	BI-214		
14-03083-04	DO	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Potassium-40	LANL ER-130 Modified	3.93E+00	2.80E+00	2.80E+00	4.44E+00	pCi/g	3/18/2014	147.64	60				04	K-40		
14-03083-04	DO	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Protactinium-231	LANL ER-130 Modified	2.86E+00	6.79E+00	6.79E+00	1.10E+01	pCi/g	3/18/2014	147.64	60				04	PA-231		
14-03083-04	DO	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-210	LANL ER-130 Modified	4.33E+01	6.04E+00	6.44E+00	1.20E+01	pCi/g	3/18/2014	147.64	60				04	PB-210		
14-03083-04	DO	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-212	LANL ER-130 Modified	6.48E-01	3.59E-01	3.61E-01	9.25E-01	pCi/g	3/18/2014	147.64	60				04	PB-212		
14-03083-04	DO	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-214	LANL ER-130 Modified	2.71E+01	1.87E+00	2.33E+00	1.15E+00	pCi/g	3/18/2014	147.64	60				04	PB-214		
14-03083-04	DO	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Thallium-208	LANL ER-130 Modified	7.06E-01	5.86E-01	5.87E-01	7.97E-01	pCi/g	3/18/2014	147.64	60				04	TL-208		

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:														
			Dan Feezor					SDG:		14-03083												
			Feezor Engineering, Inc.					Purchase Order:		BT-026-PO1												
			406 East Walnut Street					Analysis Category:		ENVIRONMENTAL												
			Chatham, IL 62629					Sample Matrix:		SO												
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-03083-05	TRG	FEEBRIS02-2.031-032GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Actinium-228	LANL ER-130 Modified	7.87E-01	5.80E-01	5.81E-01	9.80E-01	pCi/g	3/18/2014	289.27	60				05	AC-228	
14-03083-05	TRG	FEEBRIS02-2.031-032GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Bismuth-214	LANL ER-130 Modified	1.38E+01	1.07E+00	1.28E+00	5.20E-01	pCi/g	3/18/2014	289.27	60				05	BI-214	
14-03083-05	TRG	FEEBRIS02-2.031-032GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Potassium-40	LANL ER-130 Modified	1.20E+01	3.18E+00	3.24E+00	4.14E+00	pCi/g	3/18/2014	289.27	60				05	K-40	
14-03083-05	TRG	FEEBRIS02-2.031-032GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Protactinium-231	LANL ER-130 Modified	1.90E+00	2.11E+00	2.11E+00	8.32E+00	pCi/g	3/18/2014	289.27	60				05	PA-231	
14-03083-05	TRG	FEEBRIS02-2.031-032GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-210	LANL ER-130 Modified	2.63E+01	4.42E+00	4.62E+00	8.80E+00	pCi/g	3/18/2014	289.27	60				05	PB-210	
14-03083-05	TRG	FEEBRIS02-2.031-032GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-212	LANL ER-130 Modified	9.21E-01	2.15E-01	2.20E-01	7.25E-01	pCi/g	3/18/2014	289.27	60				05	PB-212	
14-03083-05	TRG	FEEBRIS02-2.031-032GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-214	LANL ER-130 Modified	1.34E+01	1.05E+00	1.25E+00	6.22E-01	pCi/g	3/18/2014	289.27	60				05	PB-214	
14-03083-05	TRG	FEEBRIS02-2.031-032GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Thallium-208	LANL ER-130 Modified	7.27E-01	2.62E-01	2.65E-01	2.70E-01	pCi/g	3/18/2014	289.27	60				05	TL-208	
14-03083-06	TRG	FEEBRIS1C-12.048-049GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03083	Actinium-228	LANL ER-130 Modified	1.48E+00	6.46E-01	6.50E-01	1.29E+00	pCi/g	3/18/2014	345.28	60				06	AC-228	
14-03083-06	TRG	FEEBRIS1C-12.048-049GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03083	Bismuth-214	LANL ER-130 Modified	1.46E+00	3.80E-01	3.87E-01	6.05E-01	pCi/g	3/18/2014	345.28	60				06	BI-214	
14-03083-06	TRG	FEEBRIS1C-12.048-049GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03083	Potassium-40	LANL ER-130 Modified	1.61E+01	3.35E+00	3.45E+00	2.41E+00	pCi/g	3/18/2014	345.28	60				06	K-40	
14-03083-06	TRG	FEEBRIS1C-12.048-049GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03083	Protactinium-231	LANL ER-130 Modified	-7.49E-01	2.65E+00	2.65E+00	7.00E+00	pCi/g	3/18/2014	345.28	60				06	PA-231	
14-03083-06	TRG	FEEBRIS1C-12.048-049GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-210	LANL ER-130 Modified	2.09E+00	2.52E+00	2.52E+00	4.23E+00	pCi/g	3/18/2014	345.28	60				06	PB-210	
14-03083-06	TRG	FEEBRIS1C-12.048-049GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-212	LANL ER-130 Modified	1.10E+00	2.71E-01	2.76E-01	6.34E-01	pCi/g	3/18/2014	345.28	60				06	PB-212	
14-03083-06	TRG	FEEBRIS1C-12.048-049GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-214	LANL ER-130 Modified	2.01E+00	4.31E-01	4.43E-01	6.21E-01	pCi/g	3/18/2014	345.28	60				06	PB-214	
14-03083-06	TRG	FEEBRIS1C-12.048-049GP	03/12/14 00:00	3/17/2014	4/17/2014	14-03083	Thallium-208	LANL ER-130 Modified	8.69E-01	5.17E-01	5.19E-01	8.00E-01	pCi/g	3/18/2014	345.28	60				06	TL-208	
14-03083-07	TRG	FEEBRIS1-2.023-024GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Actinium-228	LANL ER-130 Modified	1.27E+00	3.19E-01	3.26E-01	5.48E-01	pCi/g	3/18/2014	419.88	60				07	AC-228	
14-03083-07	TRG	FEEBRIS1-2.023-024GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Bismuth-214	LANL ER-130 Modified	1.45E+00	2.46E-01	2.57E-01	3.49E-01	pCi/g	3/18/2014	419.88	60				07	BI-214	
14-03083-07	TRG	FEEBRIS1-2.023-024GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Potassium-40	LANL ER-130 Modified	1.88E+01	2.75E+00	2.92E+00	1.58E+00	pCi/g	3/18/2014	419.88	60				07	K-40	
14-03083-07	TRG	FEEBRIS1-2.023-024GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Protactinium-231	LANL ER-130 Modified	1.20E+00	2.25E+00	2.25E+00	3.45E+00	pCi/g	3/18/2014	419.88	60				07	PA-231	
14-03083-07	TRG	FEEBRIS1-2.023-024GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-210	LANL ER-130 Modified	2.87E+00	1.47E+00	1.47E+00	2.50E+00	pCi/g	3/18/2014	419.88	60				07	PB-210	
14-03083-07	TRG	FEEBRIS1-2.023-024GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-212	LANL ER-130 Modified	1.47E+00	1.93E-01	2.07E-01	2.85E-01	pCi/g	3/18/2014	419.88	60				07	PB-212	
14-03083-07	TRG	FEEBRIS1-2.023-024GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-214	LANL ER-130 Modified	1.62E+00	2.23E-01	2.38E-01	2.87E-01	pCi/g	3/18/2014	419.88	60				07	PB-214	
14-03083-07	TRG	FEEBRIS1-2.023-024GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Thallium-208	LANL ER-130 Modified	1.33E+00	2.25E-01	2.36E-01	1.86E-01	pCi/g	3/18/2014	419.88	60				07	TL-208	

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:														
			Dan Feezor Feezor Engineering, Inc. 406 East Walnut Street Chatham, IL 62629					SDG:		14-03083												
								Purchase Order:		BT-026-PO1												
								Analysis Category:		ENVIRONMENTAL												
					Sample Matrix:		SO															
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-03083-08	TRG	FEEBRIS1-2.028-029GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Actinium-228	LANL ER-130 Modified	2.26E-01	2.88E-01	2.88E-01	5.35E-01	pCi/g	3/18/2014	190.07	60				08	AC-228	
14-03083-08	TRG	FEEBRIS1-2.028-029GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Bismuth-214	LANL ER-130 Modified	8.55E-01	2.39E-01	2.43E-01	3.35E-01	pCi/g	3/18/2014	190.07	60				08	BI-214	
14-03083-08	TRG	FEEBRIS1-2.028-029GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Potassium-40	LANL ER-130 Modified	7.69E+00	2.02E+00	2.06E+00	2.21E+00	pCi/g	3/18/2014	190.07	60				08	K-40	
14-03083-08	TRG	FEEBRIS1-2.028-029GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Protactinium-231	LANL ER-130 Modified	1.33E+00	2.15E+00	2.15E+00	3.85E+00	pCi/g	3/18/2014	190.07	60				08	PA-231	
14-03083-08	TRG	FEEBRIS1-2.028-029GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-210	LANL ER-130 Modified	2.74E+00	2.17E+00	2.17E+00	3.56E+00	pCi/g	3/18/2014	190.07	60				08	PB-210	
14-03083-08	TRG	FEEBRIS1-2.028-029GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-212	LANL ER-130 Modified	4.55E-01	1.48E-01	1.50E-01	3.38E-01	pCi/g	3/18/2014	190.07	60				08	PB-212	
14-03083-08	TRG	FEEBRIS1-2.028-029GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-214	LANL ER-130 Modified	7.89E-01	2.33E-01	2.36E-01	4.37E-01	pCi/g	3/18/2014	190.07	60				08	PB-214	
14-03083-08	TRG	FEEBRIS1-2.028-029GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Thallium-208	LANL ER-130 Modified	4.76E-01	2.40E-01	2.41E-01	5.34E-01	pCi/g	3/18/2014	190.07	60				08	TL-208	
14-03083-09	TRG	FEEBRIS1C-2RA.028-029GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Actinium-228	LANL ER-130 Modified	1.16E+00	5.12E-01	5.16E-01	9.02E-01	pCi/g	3/18/2014	466.16	60				09	AC-228	
14-03083-09	TRG	FEEBRIS1C-2RA.028-029GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Bismuth-214	LANL ER-130 Modified	2.17E+00	3.26E-01	3.44E-01	1.83E-01	pCi/g	3/18/2014	466.16	60				09	BI-214	
14-03083-09	TRG	FEEBRIS1C-2RA.028-029GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Potassium-40	LANL ER-130 Modified	1.46E+01	2.88E+00	2.98E+00	2.24E+00	pCi/g	3/18/2014	466.16	60				09	K-40	
14-03083-09	TRG	FEEBRIS1C-2RA.028-029GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Protactinium-231	LANL ER-130 Modified	5.76E-01	4.32E+00	4.32E+00	5.94E+00	pCi/g	3/18/2014	466.16	60				09	PA-231	
14-03083-09	TRG	FEEBRIS1C-2RA.028-029GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-210	LANL ER-130 Modified	2.09E+00	1.76E+00	1.77E+00	2.92E+00	pCi/g	3/18/2014	466.16	60				09	PB-210	
14-03083-09	TRG	FEEBRIS1C-2RA.028-029GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-212	LANL ER-130 Modified	1.32E+00	2.80E-01	2.88E-01	4.64E-01	pCi/g	3/18/2014	466.16	60				09	PB-212	
14-03083-09	TRG	FEEBRIS1C-2RA.028-029GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-214	LANL ER-130 Modified	1.95E+00	3.09E-01	3.25E-01	4.36E-01	pCi/g	3/18/2014	466.16	60				09	PB-214	
14-03083-09	TRG	FEEBRIS1C-2RA.028-029GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Thallium-208	LANL ER-130 Modified	9.28E-01	2.91E-01	2.95E-01	2.84E-01	pCi/g	3/18/2014	466.16	60				09	TL-208	
14-03083-10	TRG	FEEBRIS1C-4R.046-047GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Actinium-228	LANL ER-130 Modified	6.54E-01	1.84E-01	1.87E-01	4.28E-01	pCi/g	3/18/2014	474.73	60				10	AC-228	
14-03083-10	TRG	FEEBRIS1C-4R.046-047GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Bismuth-214	LANL ER-130 Modified	1.74E+00	2.17E-01	2.34E-01	2.00E-01	pCi/g	3/18/2014	474.73	60				10	BI-214	
14-03083-10	TRG	FEEBRIS1C-4R.046-047GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Potassium-40	LANL ER-130 Modified	6.30E+00	1.08E+00	1.12E+00	6.66E-01	pCi/g	3/18/2014	474.73	60				10	K-40	
14-03083-10	TRG	FEEBRIS1C-4R.046-047GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Protactinium-231	LANL ER-130 Modified	2.71E-01	1.37E+00	1.37E+00	2.25E+00	pCi/g	3/18/2014	474.73	60				10	PA-231	
14-03083-10	TRG	FEEBRIS1C-4R.046-047GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-210	LANL ER-130 Modified	1.02E+00	1.14E+00	1.14E+00	1.91E+00	pCi/g	3/18/2014	474.73	60				10	PB-210	
14-03083-10	TRG	FEEBRIS1C-4R.046-047GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-212	LANL ER-130 Modified	4.42E-01	9.64E-02	9.90E-02	2.67E-01	pCi/g	3/18/2014	474.73	60				10	PB-212	
14-03083-10	TRG	FEEBRIS1C-4R.046-047GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-214	LANL ER-130 Modified	1.83E+00	2.13E-01	2.32E-01	2.36E-01	pCi/g	3/18/2014	474.73	60				10	PB-214	
14-03083-10	TRG	FEEBRIS1C-4R.046-047GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Thallium-208	LANL ER-130 Modified	4.32E-01	1.26E-01	1.28E-01	1.33E-01	pCi/g	3/18/2014	474.73	60				10	TL-208	

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			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL													
			Chatham, IL 62629					Sample Matrix:	SO													
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-03083-11	TRG	FEEBRIS1C-4RB.046-047GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Actinium-228	LANL ER-130 Modified	6.58E-01	2.42E-01	2.44E-01	4.94E-01	pCi/g	3/18/2014	369.95	60				11	AC-228	
14-03083-11	TRG	FEEBRIS1C-4RB.046-047GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Bismuth-214	LANL ER-130 Modified	1.20E+00	1.77E-01	1.87E-01	2.35E-01	pCi/g	3/18/2014	369.95	60				11	BI-214	
14-03083-11	TRG	FEEBRIS1C-4RB.046-047GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Potassium-40	LANL ER-130 Modified	6.60E+00	1.24E+00	1.28E+00	8.09E-01	pCi/g	3/18/2014	369.95	60				11	K-40	
14-03083-11	TRG	FEEBRIS1C-4RB.046-047GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Protactinium-231	LANL ER-130 Modified	-1.58E+00	1.70E+00	1.70E+00	2.59E+00	pCi/g	3/18/2014	369.95	60				11	PA-231	
14-03083-11	TRG	FEEBRIS1C-4RB.046-047GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-210	LANL ER-130 Modified	1.54E+00	1.32E+00	1.33E+00	2.19E+00	pCi/g	3/18/2014	369.95	60				11	PB-210	
14-03083-11	TRG	FEEBRIS1C-4RB.046-047GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-212	LANL ER-130 Modified	4.89E-01	1.10E-01	1.13E-01	2.45E-01	pCi/g	3/18/2014	369.95	60				11	PB-212	
14-03083-11	TRG	FEEBRIS1C-4RB.046-047GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-214	LANL ER-130 Modified	1.02E+00	1.47E-01	1.56E-01	1.73E-01	pCi/g	3/18/2014	369.95	60				11	PB-214	
14-03083-11	TRG	FEEBRIS1C-4RB.046-047GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Thallium-208	LANL ER-130 Modified	5.24E-01	1.65E-01	1.67E-01	2.02E-01	pCi/g	3/18/2014	369.95	60				11	TL-208	
14-03083-12	TRG	FEEBRIS1C-12C.055-056GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Actinium-228	LANL ER-130 Modified	1.25E+00	6.62E-01	6.65E-01	1.23E+00	pCi/g	3/18/2014	412.5	60				12	AC-228	
14-03083-12	TRG	FEEBRIS1C-12C.055-056GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Bismuth-214	LANL ER-130 Modified	3.10E+01	1.89E+00	2.47E+00	1.04E+00	pCi/g	3/18/2014	412.5	60				12	BI-214	
14-03083-12	TRG	FEEBRIS1C-12C.055-056GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Potassium-40	LANL ER-130 Modified	1.24E+01	2.98E+00	3.04E+00	3.91E+00	pCi/g	3/18/2014	412.5	60				12	K-40	
14-03083-12	TRG	FEEBRIS1C-12C.055-056GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Protactinium-231	LANL ER-130 Modified	1.67E+01	7.48E+00	7.53E+00	1.38E+01	pCi/g	3/18/2014	412.5	60				12	PA-231	
14-03083-12	TRG	FEEBRIS1C-12C.055-056GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-210	LANL ER-130 Modified	3.74E+01	6.26E+00	6.55E+00	7.60E+00	pCi/g	3/18/2014	412.5	60				12	PB-210	
14-03083-12	TRG	FEEBRIS1C-12C.055-056GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-212	LANL ER-130 Modified	1.51E+00	3.56E-01	3.64E-01	9.82E-01	pCi/g	3/18/2014	412.5	60				12	PB-212	
14-03083-12	TRG	FEEBRIS1C-12C.055-056GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Lead-214	LANL ER-130 Modified	3.39E+01	2.32E+00	2.90E+00	8.49E-01	pCi/g	3/18/2014	412.5	60				12	PB-214	
14-03083-12	TRG	FEEBRIS1C-12C.055-056GP	03/13/14 00:00	3/17/2014	4/17/2014	14-03083	Thallium-208	LANL ER-130 Modified	8.94E-01	2.28E-01	2.33E-01	1.89E-01	pCi/g	3/18/2014	412.5	60				12	TL-208	
14-03083-02	MBL	BLANK	03/17/14 00:00	3/17/2014	3/24/2014	14-03083	Actinium-227	EML Th-01 Modified	4.11E-02	3.81E-02	3.84E-02	3.55E-02	pCi/g	3/20/2014	2	170	4.83		16.3	02	AC-227	
14-03083-03	DUP	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Actinium-227	EML Th-01 Modified	1.98E+00	3.78E-01	4.51E-01	2.87E-02	pCi/g	3/20/2014	2.208	170	330		15.9	03	AC-227	
14-03083-04	DO	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Actinium-227	EML Th-01 Modified	1.76E+00	3.09E-01	3.78E-01	3.13E-02	pCi/g	3/20/2014	2.208	170	371		18.5	04	AC-227	
14-03083-05	TRG	FEEBRIS02-2.031-032GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Actinium-227	EML Th-01 Modified	1.16E+00	2.72E-01	3.07E-01	4.68E-02	pCi/g	3/20/2014	2.062	170	148		18.2	05	AC-227	
14-03083-06	TRG	FEEBRIS1C-12.048-049GP	03/12/14 00:00	3/17/2014	3/24/2014	14-03083	Actinium-227	EML Th-01 Modified	4.95E-02	5.91E-02	5.94E-02	8.57E-02	pCi/g	3/20/2014	2.088	170	3.81		17.9	06	AC-227	
14-03083-07	TRG	FEEBRIS1-2.023-024GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Actinium-227	EML Th-01 Modified	4.93E-02	3.95E-02	3.99E-02	3.54E-02	pCi/g	3/20/2014	2.114	170	6.66		16.9	07	AC-227	
14-03083-08	TRG	FEEBRIS1-2.028-029GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Actinium-227	EML Th-01 Modified	5.09E-02	4.07E-02	4.12E-02	3.65E-02	pCi/g	3/20/2014	2.23	170	6.66		18.7	08	AC-227	
14-03083-09	TRG	FEEBRIS1C-2RA.028-029GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Actinium-227	EML Th-01 Modified	6.71E-02	4.11E-02	4.19E-02	3.06E-02	pCi/g	3/20/2014	2.038	170	11.5		18.4	09	AC-227	
14-03083-10	TRG	FEEBRIS1C-4R.046-047GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Actinium-227	EML Th-01 Modified	2.60E-02	3.63E-02	3.64E-02	5.48E-02	pCi/g	3/20/2014	2.014	170	2.49		18.7	10	AC-227	
14-03083-11	TRG	FEEBRIS1C-4RB.046-047GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Actinium-227	EML Th-01 Modified	5.37E-02	5.64E-02	5.68E-02	5.85E-02	pCi/g	3/20/2014	2.016	170	3.83		17.7	11	AC-227	
14-03083-12	TRG	FEEBRIS1C-12C.055-056GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Actinium-227	EML Th-01 Modified	2.67E+00	6.15E-01	6.98E-01	6.28E-02	pCi/g	3/20/2014	2.038	170	255		16.9	12	AC-227	

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			406 East Walnut Street Chatham, IL 62629					Analysis Category:		ENVIRONMENTAL												
								Sample Matrix:		SO												
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-03083-01	LCS	KNOWN	03/17/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-230	EML Th-01 Modified	5.41E+00	1.46E-01			pCi/g	3/20/2014	1	170	387		17	01	TH-230	5.4139
14-03083-01	LCS	SPIKE	03/17/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-230	EML Th-01 Modified	5.96E+00	9.63E-01	1.21E+00	6.43E-02	pCi/g	3/20/2014	1	170	387		17	01	TH-230	5.4139
14-03083-02	MBL	BLANK	03/17/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-230	EML Th-01 Modified	1.77E-01	8.46E-02	8.74E-02	6.11E-02	pCi/g	3/20/2014	2	170	21.3		16.3	02	TH-230	
14-03083-03	DUP	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-230	EML Th-01 Modified	3.04E+02	4.80E+01	6.10E+01	2.45E-02	pCi/g	3/20/2014	2.208	170	51900		15.9	03	TH-230	
14-03083-04	DO	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-230	EML Th-01 Modified	2.82E+02	4.02E+01	5.32E+01	2.78E-02	pCi/g	3/20/2014	2.208	170	60700		18.5	04	TH-230	
14-03083-05	TRG	FEEBRIS02-2.031-032GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-230	EML Th-01 Modified	2.06E+02	3.51E+01	4.34E+01	4.00E-02	pCi/g	3/20/2014	2.062	170	27000		18.2	05	TH-230	
14-03083-06	TRG	FEEBRIS1C-12.048-049GP	03/12/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-230	EML Th-01 Modified	1.74E+00	4.76E-01	5.22E-01	7.99E-02	pCi/g	3/20/2014	2.088	170	137		17.9	06	TH-230	
14-03083-07	TRG	FEEBRIS1-2.023-024GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-230	EML Th-01 Modified	1.09E+00	2.53E-01	2.87E-01	3.02E-02	pCi/g	3/20/2014	2.114	170	151		16.9	07	TH-230	
14-03083-08	TRG	FEEBRIS1-2.028-029GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-230	EML Th-01 Modified	6.37E-01	1.75E-01	1.92E-01	3.91E-02	pCi/g	3/20/2014	2.23	170	85.5		18.7	08	TH-230	
14-03083-09	TRG	FEEBRIS1C-2RA.028-029GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-230	EML Th-01 Modified	2.47E+00	4.37E-01	5.33E-01	2.72E-02	pCi/g	3/20/2014	2.038	170	433		18.4	09	TH-230	
14-03083-10	TRG	FEEBRIS1C-4R.046-047GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-230	EML Th-01 Modified	4.45E+00	9.52E-01	1.10E+00	5.74E-02	pCi/g	3/20/2014	2.014	170	437		18.7	10	TH-230	
14-03083-11	TRG	FEEBRIS1C-4RB.046-047GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-230	EML Th-01 Modified	2.03E+00	5.56E-01	6.10E-01	5.70E-02	pCi/g	3/20/2014	2.016	170	149		17.7	11	TH-230	
14-03083-12	TRG	FEEBRIS1C-12C.055-056GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-230	EML Th-01 Modified	3.99E+02	7.77E+01	9.20E+01	4.27E-02	pCi/g	3/20/2014	2.038	170	39000		16.9	12	TH-230	
14-03083-01	LCS	KNOWN	03/17/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-232	EML Th-01 Modified	4.83E+00	1.74E-01			pCi/g	3/20/2014	1	170	273		17	01	TH-232	4.8328
14-03083-01	LCS	SPIKE	03/17/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-232	EML Th-01 Modified	4.19E+00	7.30E-01	8.18E-01	6.41E-02	pCi/g	3/20/2014	1	170	273		17	01	TH-232	4.8328
14-03083-02	MBL	BLANK	03/17/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-232	EML Th-01 Modified	3.18E-02	3.31E-02	3.32E-02	3.46E-02	pCi/g	3/20/2014	2	170	3.83		16.3	02	TH-232	
14-03083-03	DUP	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-232	EML Th-01 Modified	1.98E+00	3.77E-01	4.15E-01	2.80E-02	pCi/g	3/20/2014	2.208	170	339		15.9	03	TH-232	
14-03083-04	DO	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-232	EML Th-01 Modified	2.60E+00	4.29E-01	4.86E-01	2.43E-02	pCi/g	3/20/2014	2.208	170	561		18.5	04	TH-232	
14-03083-05	TRG	FEEBRIS02-2.031-032GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-232	EML Th-01 Modified	1.39E+00	3.11E-01	3.34E-01	3.99E-02	pCi/g	3/20/2014	2.062	170	182		18.2	05	TH-232	
14-03083-06	TRG	FEEBRIS1C-12.048-049GP	03/12/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-232	EML Th-01 Modified	1.40E-01	1.03E-01	1.04E-01	1.23E-01	pCi/g	3/20/2014	2.088	170	11.1		17.9	06	TH-232	
14-03083-07	TRG	FEEBRIS1-2.023-024GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-232	EML Th-01 Modified	5.36E-01	1.52E-01	1.60E-01	4.07E-02	pCi/g	3/20/2014	2.114	170	74.3		16.9	07	TH-232	
14-03083-08	TRG	FEEBRIS1-2.028-029GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-232	EML Th-01 Modified	6.31E-02	4.53E-02	4.56E-02	3.90E-02	pCi/g	3/20/2014	2.23	170	8.49		18.7	08	TH-232	
14-03083-09	TRG	FEEBRIS1C-2RA.028-029GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-232	EML Th-01 Modified	2.66E-01	8.63E-02	8.94E-02	2.37E-02	pCi/g	3/20/2014	2.038	170	46.8		18.4	09	TH-232	
14-03083-10	TRG	FEEBRIS1C-4R.046-047GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-232	EML Th-01 Modified	7.78E-02	5.85E-02	5.89E-02	4.86E-02	pCi/g	3/20/2014	2.014	170	7.66		18.7	10	TH-232	
14-03083-11	TRG	FEEBRIS1C-4RB.046-047GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-232	EML Th-01 Modified	1.77E-01	1.07E-01	1.09E-01	8.18E-02	pCi/g	3/20/2014	2.016	170	13		17.7	11	TH-232	
14-03083-12	TRG	FEEBRIS1C-12C.055-056GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Thorium-232	EML Th-01 Modified	2.19E+00	5.18E-01	5.53E-01	4.26E-02	pCi/g	3/20/2014	2.038	170	215		16.9	12	TH-232	

Eberline Analytical Final Report of Analysis			Report To:						Work Order Details:														
			Dan Feezor Feezor Engineering, Inc. 406 East Walnut Street Chatham, IL 62629						SDG:		14-03083												
									Purchase Order:		BT-026-PO1												
									Analysis Category:		ENVIRONMENTAL												
								Sample Matrix:		SO													
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	
14-03083-01	LCS	KNOWN	03/17/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-234	EML U-02 Modified	8.07E+00	2.90E-01			pCi/g	3/20/2014	1	170.02	600		17.4	01	U-234	8.0687	
14-03083-01	LCS	SPIKE	03/17/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-234	EML U-02 Modified	7.37E+00	9.81E-01	1.11E+00	8.43E-02	pCi/g	3/20/2014	1	170.02	600		17.4	01	U-234	8.0687	
14-03083-02	MBL	BLANK	03/17/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-234	EML U-02 Modified	1.99E-02	2.73E-02	2.73E-02	4.44E-02	pCi/g	3/20/2014	2	170	3.3		18.5	02	U-234		
14-03083-03	DUP	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-234	EML U-02 Modified	1.80E+00	2.77E-01	3.05E-01	3.73E-02	pCi/g	3/20/2014	2.208	170	319		19.2	03	U-234		
14-03083-04	DO	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-234	EML U-02 Modified	1.60E+00	2.37E-01	2.63E-01	2.05E-02	pCi/g	3/20/2014	2.208	170.02	326		20.1	04	U-234		
14-03083-05	TRG	FEEBRIS02-2.031-032GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-234	EML U-02 Modified	8.18E-01	1.59E-01	1.70E-01	3.01E-02	pCi/g	3/20/2014	2.062	170.02	142		19.3	05	U-234		
14-03083-06	TRG	FEEBRIS1C-12.048-049GP	03/12/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-234	EML U-02 Modified	5.35E-01	1.32E-01	1.37E-01	3.76E-02	pCi/g	3/20/2014	2.088	170.02	80.3		18.6	06	U-234		
14-03083-07	TRG	FEEBRIS1-2.023-024GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-234	EML U-02 Modified	5.27E-01	1.19E-01	1.25E-01	3.84E-02	pCi/g	3/20/2014	2.114	170.02	97.5		18.3	07	U-234		
14-03083-08	TRG	FEEBRIS1-2.028-029GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-234	EML U-02 Modified	2.24E-01	7.56E-02	7.72E-02	3.29E-02	pCi/g	3/20/2014	2.23	170.02	38.3		14.3	08	U-234		
14-03083-09	TRG	FEEBRIS1C-2RA.028-029GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-234	EML U-02 Modified	4.67E-01	1.21E-01	1.25E-01	4.47E-02	pCi/g	3/20/2014	2.038	170	71.6		16.8	09	U-234		
14-03083-10	TRG	FEEBRIS1C-4R.046-047GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-234	EML U-02 Modified	8.80E-01	2.48E-01	2.56E-01	7.37E-02	pCi/g	3/20/2014	2.014	170	67.3		17.7	10	U-234		
14-03083-11	TRG	FEEBRIS1C-4RB.046-047GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-234	EML U-02 Modified	5.47E-01	1.92E-01	1.96E-01	6.76E-02	pCi/g	3/20/2014	2.016	170.02	38.7		18.8	11	U-234		
14-03083-12	TRG	FEEBRIS1C-12C.055-056GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-234	EML U-02 Modified	1.83E+00	3.14E-01	3.40E-01	5.35E-02	pCi/g	3/20/2014	2.038	170	242		13.9	12	U-234		
14-03083-01	LCS	SPIKE	03/17/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-235	EML U-02 Modified	4.62E-01	1.73E-01	1.76E-01	7.96E-02	pCi/g	3/20/2014	1	170.02	30.5		17.4	01	U-235		
14-03083-02	MBL	BLANK	03/17/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-235	EML U-02 Modified	6.45E-02	4.45E-02	4.47E-02	3.56E-02	pCi/g	3/20/2014	2	170	8.66		18.5	02	U-235		
14-03083-03	DUP	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-235	EML U-02 Modified	9.88E-02	5.43E-02	5.47E-02	4.18E-02	pCi/g	3/20/2014	2.208	170	14.1		19.2	03	U-235		
14-03083-04	DO	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-235	EML U-02 Modified	1.66E-01	6.50E-02	6.61E-02	3.17E-02	pCi/g	3/20/2014	2.208	170.02	27.5		20.1	04	U-235		
14-03083-05	TRG	FEEBRIS02-2.031-032GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-235	EML U-02 Modified	3.42E-02	3.13E-02	3.14E-02	2.96E-02	pCi/g	3/20/2014	2.062	170.02	4.83		19.3	05	U-235		
14-03083-06	TRG	FEEBRIS1C-12.048-049GP	03/12/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-235	EML U-02 Modified	1.22E-02	2.33E-02	2.33E-02	4.31E-02	pCi/g	3/20/2014	2.088	170.02	1.49		18.6	06	U-235		
14-03083-07	TRG	FEEBRIS1-2.023-024GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-235	EML U-02 Modified	4.33E-02	3.51E-02	3.52E-02	3.50E-02	pCi/g	3/20/2014	2.114	170.02	6.49		18.3	07	U-235		
14-03083-08	TRG	FEEBRIS1-2.028-029GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-235	EML U-02 Modified	1.32E-02	2.01E-02	2.02E-02	3.00E-02	pCi/g	3/20/2014	2.23	170.02	1.83		14.3	08	U-235		
14-03083-09	TRG	FEEBRIS1C-2RA.028-029GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-235	EML U-02 Modified	4.69E-02	3.91E-02	3.92E-02	3.36E-02	pCi/g	3/20/2014	2.038	170	5.83		16.8	09	U-235		
14-03083-10	TRG	FEEBRIS1C-4R.046-047GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-235	EML U-02 Modified	3.23E-02	5.50E-02	5.50E-02	9.67E-02	pCi/g	3/20/2014	2.014	170	2		17.7	10	U-235		
14-03083-11	TRG	FEEBRIS1C-4RB.046-047GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-235	EML U-02 Modified	3.49E-02	5.95E-02	5.95E-02	1.05E-01	pCi/g	3/20/2014	2.016	170.02	2		18.8	11	U-235		
14-03083-12	TRG	FEEBRIS1C-12C.055-056GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-235	EML U-02 Modified	2.23E-01	9.47E-02	9.60E-02	5.57E-02	pCi/g	3/20/2014	2.038	170	24		13.9	12	U-235		

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:														
			Dan Feezor					SDG:		14-03083												
			Feezor Engineering, Inc.					Purchase Order:		BT-026-PO1												
			406 East Walnut Street					Analysis Category:		ENVIRONMENTAL												
			Chatham, IL 62629					Sample Matrix:		SO												
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-03083-01	LCS	KNOWN	03/17/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-238	EML U-02 Modified	7.86E+00	2.83E-01			pCi/g	3/20/2014	1	170.02	651		17.4	01	U-238	7.8649
14-03083-01	LCS	SPIKE	03/17/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-238	EML U-02 Modified	7.97E+00	1.04E+00	1.19E+00	7.33E-02	pCi/g	3/20/2014	1	170.02	651		17.4	01	U-238	7.8649
14-03083-02	MBL	BLANK	03/17/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-238	EML U-02 Modified	1.59E-02	2.43E-02	2.43E-02	4.12E-02	pCi/g	3/20/2014	2	170	2.64		18.5	02	U-238	
14-03083-03	DUP	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-238	EML U-02 Modified	1.60E+00	2.53E-01	2.77E-01	3.18E-02	pCi/g	3/20/2014	2.208	170	283		19.2	03	U-238	
14-03083-04	DO	FEEBRIS02-3.035-036GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-238	EML U-02 Modified	1.63E+00	2.40E-01	2.66E-01	2.56E-02	pCi/g	3/20/2014	2.208	170.02	333		20.1	04	U-238	
14-03083-05	TRG	FEEBRIS02-2.031-032GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-238	EML U-02 Modified	7.06E-01	1.45E-01	1.54E-01	3.00E-02	pCi/g	3/20/2014	2.062	170.02	123		19.3	05	U-238	
14-03083-06	TRG	FEEBRIS1C-12.048-049GP	03/12/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-238	EML U-02 Modified	5.55E-01	1.34E-01	1.40E-01	3.17E-02	pCi/g	3/20/2014	2.088	170.02	83.7		18.6	06	U-238	
14-03083-07	TRG	FEEBRIS1-2.023-024GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-238	EML U-02 Modified	3.73E-01	9.64E-02	1.00E-01	3.04E-02	pCi/g	3/20/2014	2.114	170.02	69.3		18.3	07	U-238	
14-03083-08	TRG	FEEBRIS1-2.028-029GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-238	EML U-02 Modified	1.62E-01	6.28E-02	6.39E-02	2.43E-02	pCi/g	3/20/2014	2.23	170.02	27.8		14.3	08	U-238	
14-03083-09	TRG	FEEBRIS1C-2RA.028-029GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-238	EML U-02 Modified	5.89E-01	1.38E-01	1.45E-01	4.45E-02	pCi/g	3/20/2014	2.038	170	90.6		16.8	09	U-238	
14-03083-10	TRG	FEEBRIS1C-4R.046-047GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-238	EML U-02 Modified	9.05E-01	2.52E-01	2.60E-01	6.83E-02	pCi/g	3/20/2014	2.014	170	69.5		17.7	10	U-238	
14-03083-11	TRG	FEEBRIS1C-4RB.046-047GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-238	EML U-02 Modified	5.84E-01	2.00E-01	2.05E-01	7.39E-02	pCi/g	3/20/2014	2.016	170.02	41.5		18.8	11	U-238	
14-03083-12	TRG	FEEBRIS1C-12C.055-056GP	03/13/14 00:00	3/17/2014	3/24/2014	14-03083	Uranium-238	EML U-02 Modified	1.92E+00	3.27E-01	3.54E-01	6.95E-02	pCi/g	3/20/2014	2.038	170	257		13.9	12	U-238	



FROM: Cecilia Greene

TO: Mr. Dan Feezor, Feezor Engineering

CC: Mr. Paul Rosasco

DATE: 06/06/2014

RE: Transmittal of Validated Results for Eberline Work Order 14-03083

Eberline Services of Oak Ridge, TN has completed their analysis of the Phase 1 subsurface soil samples in Eberline Work Order 14-03083. The validated results are summarized in Table 1.

The laboratory quality control samples were validated using MARLAP criteria. All laboratory control samples fell within acceptable control limits.

A complete verification of all of the laboratory calculations was performed. 96% of the calculated results were within $\pm 10\%$ of the laboratory results. We were unable to reproduce the results of 1 protactinium-231 and 6 lead-210 results with the information supplied by the laboratory. This is probably due to complex spectral de-convoluting operations performed by the spectroscopy software.

A non-detect result (U qualifiers) is determined by considering the analytical result and its uncertainty vs. the critical value as supplied by the laboratory.

The low abundance of the gamma lines used to identify and quantify protactinium-231 and lead-210 resulted in numerous J and Q (Combined Standard Uncertainty > Required Method Uncertainty) qualifiers. This condition increased the counting and combined standard uncertainty, and the minimum detectable activity. This condition does not constitute a non-conformance to the measurement quality objectives.

The full laboratory Level IV report of analysis will be retained at Auxier & Associates offices in Knoxville, TN where it is available for inspection upon request. Should you require additional information or further clarification, please contact me or Mr. Michael Bollenbacher at (865) 675-3669.

Sincerely,

Cecilia H. Greene, MPH, NRRPT
Auxier & Associates, Inc.
9821 Cogdill Road, Suite 1
Knoxville, TN 37932

cgreene@auxier.com
(865) 675-3669 office
(865) 675-3677 fax
(865) 621-3076 cell

Health Physics and Environmental Radiation Consulting
A USA Environment, L.P. Company

Sample ID	Uranium-234 (pCi/g)	Uranium-235 (pCi/g)	Uranium-238 (pCi/g)	Thorium-230 (pCi/g)	Thorium-232 (pCi/g)	Actinium-227 (pCi/g)
Analytical Method	EML U-02 Modified	EML U-02 Modified	EML U-02 Modified	EML Th-01 Modified	EML Th-01 Modified	EML Th-01 Modified
FEEBRIS02-2.031-032GP	0.82 ± 0.17 {-}	0.03 ± 0.03 {-}	0.71 ± 0.15 {-}	205.53 ± 43.37 {-}	1.39 ± 0.33 {-}	1.16 ± 0.31 {Q}
FEEBRIS02-3.035-036GP	1.60 ± 0.26 {-}	0.17 ± 0.07 {-}	1.63 ± 0.27 {-}	281.62 ± 53.20 {-}	2.60 ± 0.49 {-}	1.76 ± 0.38 {Q}
FEEBRIS1-2.023-024GP	0.53 ± 0.12 {-}	0.04 ± 0.04 {-}	0.37 ± 0.10 {-}	1.09 ± 0.29 {-}	0.54 ± 0.16 {-}	0.05 ± 0.04 {-}
FEEBRIS1-2.028-029GP	0.22 ± 0.08 {-}	< 0.002 (0.01 ± 0.02) {U}	0.16 ± 0.06 {-}	0.64 ± 0.19 {-}	< 0.04 (0.06 ± 0.05) {U}	0.05 ± 0.04 {-}
FEEBRIS1C-12.048-049GP	0.54 ± 0.14 {-}	< 0.004 (0.01 ± 0.02) {U}	0.56 ± 0.14 {-}	1.74 ± 0.52 {-}	< 0.12 (0.14 ± 0.10) {U}	< 0.02 (0.05 ± 0.06) {U}
FEEBRIS1C-12C.055-056GP	1.83 ± 0.34 {-}	0.22 ± 0.10 {-}	1.92 ± 0.35 {-}	398.76 ± 91.99 {-}	2.19 ± 0.55 {-}	2.67 ± 0.70 {Q}
FEEBRIS1C-2RA.028-029GP	0.47 ± 0.13 {-}	0.05 ± 0.04 {-}	0.59 ± 0.14 {-}	2.47 ± 0.53 {-}	0.27 ± 0.09 {-}	0.07 ± 0.04 {-}
FEEBRIS1C-4R.046-047GP	0.88 ± 0.26 {-}	< 0.001 (0.03 ± 0.06) {U}	0.90 ± 0.26 {-}	4.45 ± 1.10 {-}	< 0.06 (0.08 ± 0.06) {U}	< 0.01 (0.03 ± 0.04) {U}
FEEBRIS1C-4RB.046-047GP	0.55 ± 0.20 {-}	< 0.001 (0.03 ± 0.06) {U}	0.58 ± 0.20 {-}	2.03 ± 0.61 {-}	< 0.07 (0.18 ± 0.11) {U}	< 0.004 (0.05 ± 0.06) {U}

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

- Validated, no qualifiers assigned

Sample ID	Protactinium-231 (pCi/g)	Radium-228 (pCi/g)	Radium-226 (pCi/g)	Lead-210 (pCi/g)	Potassium-40 (pCi/g)
Analytical Method	LANL 130 Modified	LANL 130 Modified	LANL 130 Modified	LANL 130 Modified	LANL 130 Modified
FEEBRIS02-2.031-032GP	< 4.05 (1.90 ± 2.11) {UQJ}	< 0.46 (0.79 ± 0.58) {UJ}	13.77 ± 1.28 {J}	26.27 ± 4.62 {J}	11.97 ± 3.24 {J}
FEEBRIS02-3.035-036GP	< 5.29 (2.86 ± 6.79) {UQJ}	< 0.59 (0.45 ± 0.78) {UJ}	21.08 ± 2.06 {J}	43.34 ± 6.44 {J}	< 2.08 (3.93 ± 2.80) {UJ}
FEEBRIS1-2.023-024GP	< 1.65 (1.20 ± 2.25) {UQJ}	1.27 ± 0.33 {J}	1.45 ± 0.26 {-}	2.87 ± 1.47 {QJ}	18.80 ± 2.92 {-}
FEEBRIS1-2.028-029GP	< 1.75 (1.33 ± 2.15) {UQJ}	< 0.24 (0.23 ± 0.29) {UJ}	0.85 ± 0.24 {-}	< 1.72 (2.74 ± 2.17) {UQJ}	7.69 ± 2.06 {J}
FEEBRIS1C-12.048-049GP	< 3.34 (-0.75 ± 2.65) {UQJ}	1.48 ± 0.65 {J}	1.46 ± 0.39 {J}	< 2.07 (2.09 ± 2.52) {UQJ}	16.14 ± 3.45 {J}
FEEBRIS1C-12C.055-056GP	< 10.07 (.74 ± 7.53) {UQJ}	< 0.60 (1.25 ± 0.67) {UJ}	31.01 ± 2.47 {J}	37.42 ± 6.55 {J}	12.43 ± 3.04 {J}
FEEBRIS1C-2RA.028-029GP	< 2.05 (0.58 ± 4.32) {UQJ}	1.16 ± 0.52 {J}	2.17 ± 0.34 {-}	< 1.43 (2.09 ± 1.77) {UQJ}	14.63 ± 2.98 {J}
FEEBRIS1C-4R.046-047GP	< 21.07 (0.27 ± 1.37) {UQJ}	0.65 ± 0.19 {-}	1.74 ± 0.23 {-}	< 0.93 (1.02 ± 1.14) {UQJ}	6.30 ± 1.12 {-}
FEEBRIS1C-4RB.046-047GP	< 1.22 (-1.58 ± 1.70) {UQJ}	0.66 ± 0.24 {-}	1.20 ± 0.19 {-}	< 1.06 (1.54 ± 1.33) {UQJ}	6.60 ± 1.28 {-}

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty/Relative Standard Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

- Validated, no qualifiers assigned

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:																
			Dan Feezor					SDG:	14-04118															
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1															
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL															
Chatham, IL 62629					Sample Matrix:					SO														
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	Background CPM	
14-04118-02	MBL	BLANK	04/17/14 00:00	4/17/2014	4/24/2014	14-04118	Actinium-227	EML Th-01 Modified	5.18E-02	6.63E-02	6.66E-02	9.85E-02	pCi/g	4/21/2014	1	170.02	3.15		17.7	02	AC-227		0.0050	
14-04118-03	DUP	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	4/24/2014	14-04118	Actinium-227	EML Th-01 Modified	6.74E-02	6.23E-02	6.29E-02	7.15E-02	pCi/g	4/21/2014	1.03	170.02	5.32		18.8	03	AC-227		0.0040	
14-04118-04	DO	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	4/24/2014	14-04118	Actinium-227	EML Th-01 Modified	1.27E-01	9.28E-02	9.41E-02	6.77E-02	pCi/g	4/21/2014	1.03	170.02	7.83		13.9	04	AC-227		0.0010	
14-04118-05	TRG	FEEBRIS01-2.018-019	04/12/14 00:00	4/17/2014	4/24/2014	14-04118	Actinium-227	EML Th-01 Modified	1.24E-01	8.68E-02	8.82E-02	8.08E-02	pCi/g	4/21/2014	1.138	170	9.15		17.5	05	AC-227		0.0050	
14-04118-06	TRG	FEEBRIS01-2.020-021	04/12/14 00:00	4/17/2014	4/24/2014	14-04118	Actinium-227	EML Th-01 Modified	6.73E-02	6.22E-02	6.28E-02	5.81E-02	pCi/g	4/21/2014	1.074	170	4.83		18.2	06	AC-227		0.0010	
14-04118-07	TRG	FEEBRIS01-2.022-023	04/12/14 00:00	4/17/2014	4/24/2014	14-04118	Actinium-227	EML Th-01 Modified	5.77E-02	5.33E-02	5.38E-02	4.98E-02	pCi/g	4/21/2014	1.172	170	4.83		17	07	AC-227		0.0010	
14-04118-08	TRG	FEEBRIS01-2.023-024	04/12/14 00:00	4/17/2014	4/24/2014	14-04118	Actinium-227	EML Th-01 Modified	6.51E-02	6.50E-02	6.55E-02	7.61E-02	pCi/g	4/21/2014	1.048	170	4.49		18.1	08	AC-227		0.0030	
14-04118-09	TRG	FEEBRIS01-2.033-034	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Actinium-227	EML Th-01 Modified	8.04E-02	6.27E-02	6.34E-02	6.19E-02	pCi/g	4/21/2014	1.274	170	7.32		16.3	09	AC-227		0.0040	
14-04118-10	TRG	FEEBRIS01-2.038-039	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Actinium-227	EML Th-01 Modified	6.64E-02	5.94E-02	6.00E-02	6.35E-02	pCi/g	4/21/2014	1.104	170	5.49		15.9	10	AC-227		0.0030	
14-04118-11	TRG	FEEBRIS01-2.038-039D	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Actinium-227	EML Th-01 Modified	5.17E-02	5.60E-02	5.64E-02	7.46E-02	pCi/g	4/21/2014	1.068	170	4.15		18.5	11	AC-227		0.0050	
14-04118-12	TRG	FEEBRIS01-2.040-041	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Actinium-227	EML Th-01 Modified	7.27E-02	7.12E-02	7.18E-02	9.44E-02	pCi/g	4/21/2014	1.168	170	5.47		18.2	12	AC-227		0.0090	
14-04118-13	TRG	FEEBRIS02-2.019-020	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Actinium-227	EML Th-01 Modified	3.05E-02	3.89E-02	3.90E-02	5.79E-02	pCi/g	4/21/2014	1.266	170	3.15		19	13	AC-227		0.0050	
14-04118-14	TRG	FEEBRIS02-2.020-021	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Actinium-227	EML Th-01 Modified	8.99E-02	7.02E-02	7.11E-02	6.93E-02	pCi/g	4/21/2014	1.216	170	7.32		16.9	14	AC-227		0.0040	
14-04118-15	TRG	FEEBRIS02-2.022-023	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Actinium-227	EML Th-01 Modified	1.07E-01	7.46E-02	7.58E-02	5.88E-02	pCi/g	4/21/2014	1.16	170	8.66		19.3	15	AC-227		0.0020	
14-04118-16	TRG	FEEBRIS02-2.022-023D	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Actinium-227	EML Th-01 Modified	8.78E-02	6.53E-02	6.62E-02	5.48E-02	pCi/g	4/21/2014	1.172	170	7.66		18.9	16	AC-227		0.0020	
14-04118-17	TRG	FEEBRIS05-3.025-026	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Actinium-227	EML Th-01 Modified	3.44E-03	2.23E-02	2.23E-02	6.07E-02	pCi/g	4/21/2014	1.126	170	0.32		18.7	17	AC-227		0.0040	
14-04118-18	TRG	FEEBRIS05-3.025-026D	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Actinium-227	EML Th-01 Modified	6.75E-01	2.12E-01	2.28E-01	7.14E-02	pCi/g	4/21/2014	1.054	170	53.3		17.3	18	AC-227		0.0040	
14-04118-19	TRG	FEEBRIS08-1.044-045	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Actinium-227	EML Th-01 Modified	6.93E-01	2.37E-01	2.52E-01	9.04E-02	pCi/g	4/21/2014	1.136	170	46		16.9	19	AC-227		0.0000	
14-04118-20	TRG	FEEBRISWL-119.001-002	04/14/14 00:00	4/17/2014	4/24/2014	14-04118	Actinium-227	EML Th-01 Modified	1.51E-02	4.20E-02	4.20E-02	9.06E-02	pCi/g	4/21/2014	1.056	170	1		17.8	20	AC-227		0.0000	

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:															
			Dan Feezor					SDG:	14-04118														
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1														
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL														
			Chatham, IL 62629					Sample Matrix:	SO														
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	Background CPM
14-04118-01	LCS	KNOWN	04/17/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-230	EML Th-01 Modified	5.38E+00	1.45E-01			pCi/g	4/21/2014	1	170.02	348		16.8	01	TH-230	5.3843	0.0110
14-04118-01	LCS	SPIKE	04/17/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-230	EML Th-01 Modified	5.71E+00	9.59E-01	1.19E+00	1.24E-01	pCi/g	4/21/2014	1	170.02	348		16.8	01	TH-230	5.3843	0.0110
14-04118-02	MBL	BLANK	04/17/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-230	EML Th-01 Modified	8.55E-02	7.93E-02	8.00E-02	9.07E-02	pCi/g	4/21/2014	1	170.02	5.32		17.7	02	TH-230		0.0040
14-04118-03	DUP	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-230	EML Th-01 Modified	5.11E-01	1.77E-01	1.88E-01	6.97E-02	pCi/g	4/21/2014	1.03	170.02	41.3		18.8	03	TH-230		0.0040
14-04118-04	DO	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-230	EML Th-01 Modified	6.77E-01	2.38E-01	2.52E-01	1.04E-01	pCi/g	4/21/2014	1.03	170.02	42.8		13.9	04	TH-230		0.0070
14-04118-05	TRG	FEEBRIS01-2.018-019	04/12/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-230	EML Th-01 Modified	6.19E-01	2.07E-01	2.21E-01	7.90E-02	pCi/g	4/21/2014	1.138	170	47		17.5	05	TH-230		0.0000
14-04118-06	TRG	FEEBRIS01-2.020-021	04/12/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-230	EML Th-01 Modified	8.38E-01	2.52E-01	2.73E-01	6.50E-02	pCi/g	4/21/2014	1.074	170	61.7		18.2	06	TH-230		0.0020
14-04118-07	TRG	FEEBRIS01-2.022-023	04/12/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-230	EML Th-01 Modified	1.28E-01	8.18E-02	8.33E-02	6.99E-02	pCi/g	4/21/2014	1.172	170	11		17	07	TH-230		0.0000
14-04118-08	TRG	FEEBRIS01-2.023-024	04/12/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-230	EML Th-01 Modified	9.43E-01	2.77E-01	3.00E-01	6.76E-02	pCi/g	4/21/2014	1.048	170	66.7		18.1	08	TH-230		0.0020
14-04118-09	TRG	FEEBRIS01-2.033-034	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-230	EML Th-01 Modified	2.79E-01	1.18E-01	1.23E-01	6.42E-02	pCi/g	4/21/2014	1.274	170	26		16.3	09	TH-230		0.0000
14-04118-10	TRG	FEEBRIS01-2.038-039	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-230	EML Th-01 Modified	2.79E-01	1.22E-01	1.27E-01	5.64E-02	pCi/g	4/21/2014	1.104	170	23.7		15.9	10	TH-230		0.0020
14-04118-11	TRG	FEEBRIS01-2.038-039D	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-230	EML Th-01 Modified	4.01E-01	1.53E-01	1.61E-01	7.66E-02	pCi/g	4/21/2014	1.068	170	33		18.5	11	TH-230		0.0060
14-04118-12	TRG	FEEBRIS01-2.040-041	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-230	EML Th-01 Modified	6.46E-02	6.41E-02	6.46E-02	8.17E-02	pCi/g	4/21/2014	1.168	170	4.98		18.2	12	TH-230		0.0060
14-04118-13	TRG	FEEBRIS02-2.019-020	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-230	EML Th-01 Modified	1.59E-01	8.26E-02	8.49E-02	6.22E-02	pCi/g	4/21/2014	1.266	170	16.8		19	13	TH-230		0.0070
14-04118-14	TRG	FEEBRIS02-2.020-021	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-230	EML Th-01 Modified	6.59E-01	2.07E-01	2.23E-01	7.19E-02	pCi/g	4/21/2014	1.216	170	55		16.9	14	TH-230		0.0000
14-04118-15	TRG	FEEBRIS02-2.022-023	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-230	EML Th-01 Modified	6.92E-01	2.12E-01	2.29E-01	5.74E-02	pCi/g	4/21/2014	1.16	170	57.7		19.3	15	TH-230		0.0020
14-04118-16	TRG	FEEBRIS02-2.022-023D	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-230	EML Th-01 Modified	5.67E-01	1.81E-01	1.94E-01	5.35E-02	pCi/g	4/21/2014	1.172	170	50.7		18.9	16	TH-230		0.0020
14-04118-17	TRG	FEEBRIS05-3.025-026	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-230	EML Th-01 Modified	4.63E+00	8.30E-01	1.01E+00	5.51E-02	pCi/g	4/21/2014	1.126	170	441		18.7	17	TH-230		0.0030
14-04118-18	TRG	FEEBRIS05-3.025-026D	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-230	EML Th-01 Modified	8.89E+01	1.43E+01	1.80E+01	7.41E-02	pCi/g	4/21/2014	1.054	170	7200		17.3	18	TH-230		0.0000
14-04118-19	TRG	FEEBRIS08-1.044-045	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-230	EML Th-01 Modified	7.78E+01	1.39E+01	1.69E+01	6.14E-02	pCi/g	4/21/2014	1.136	170	5290		16.9	19	TH-230		0.0010
14-04118-20	TRG	FEEBRISWL-119.001-002	04/14/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-230	EML Th-01 Modified	4.52E-01	1.79E-01	1.87E-01	7.05E-02	pCi/g	4/21/2014	1.056	170	30.7		17.8	20	TH-230		0.0020

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:															
			Dan Feezor					SDG:	14-04118														
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1														
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL														
			Chatham, IL 62629					Sample Matrix:	SO														
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	Background CPM
14-04118-01	LCS	KNOWN	04/17/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-232	EML Th-01 Modified	4.74E+00	1.71E-01			pCi/g	4/21/2014	1	170.02	285		16.8	01	TH-232	4.7442	0.0050
14-04118-01	LCS	SPIKE	04/17/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-232	EML Th-01 Modified	4.67E+00	8.17E-01	9.15E-01	9.79E-02	pCi/g	4/21/2014	1	170.02	285		16.8	01	TH-232	4.7442	0.0050
14-04118-02	MBL	BLANK	04/17/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-232	EML Th-01 Modified	2.66E-02	4.54E-02	4.54E-02	7.67E-02	pCi/g	4/21/2014	1	170.02	1.66		17.7	02	TH-232		0.0020
14-04118-03	DUP	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-232	EML Th-01 Modified	4.19E-01	1.58E-01	1.62E-01	7.78E-02	pCi/g	4/21/2014	1.03	170.02	34		18.8	03	TH-232		0.0060
14-04118-04	DO	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-232	EML Th-01 Modified	3.76E-01	1.69E-01	1.72E-01	1.04E-01	pCi/g	4/21/2014	1.03	170.02	23.8		13.9	04	TH-232		0.0070
14-04118-05	TRG	FEEBRIS01-2.018-019	04/12/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-232	EML Th-01 Modified	3.40E-01	1.43E-01	1.47E-01	5.49E-02	pCi/g	4/21/2014	1.138	170	25.8		17.5	05	TH-232		0.0010
14-04118-06	TRG	FEEBRIS01-2.020-021	04/12/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-232	EML Th-01 Modified	5.70E-01	1.99E-01	2.05E-01	8.13E-02	pCi/g	4/21/2014	1.074	170	42		18.2	06	TH-232		0.0000
14-04118-07	TRG	FEEBRIS01-2.022-023	04/12/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-232	EML Th-01 Modified	5.82E-02	5.66E-02	5.69E-02	6.97E-02	pCi/g	4/21/2014	1.172	170	5		17	07	TH-232		0.0000
14-04118-08	TRG	FEEBRIS01-2.023-024	04/12/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-232	EML Th-01 Modified	5.65E-01	2.01E-01	2.07E-01	8.47E-02	pCi/g	4/21/2014	1.048	170	40		18.1	08	TH-232		0.0000
14-04118-09	TRG	FEEBRIS01-2.033-034	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-232	EML Th-01 Modified	1.14E-01	7.21E-02	7.28E-02	5.11E-02	pCi/g	4/21/2014	1.274	170	10.7		16.3	09	TH-232		0.0020
14-04118-10	TRG	FEEBRIS01-2.038-039	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-232	EML Th-01 Modified	2.90E-01	1.24E-01	1.27E-01	5.63E-02	pCi/g	4/21/2014	1.104	170	24.7		15.9	10	TH-232		0.0020
14-04118-11	TRG	FEEBRIS01-2.038-039D	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-232	EML Th-01 Modified	1.29E-01	8.17E-02	8.25E-02	5.80E-02	pCi/g	4/21/2014	1.068	170	10.7		18.5	11	TH-232		0.0020
14-04118-12	TRG	FEEBRIS01-2.040-041	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-232	EML Th-01 Modified	4.96E-02	5.16E-02	5.18E-02	5.40E-02	pCi/g	4/21/2014	1.168	170	3.83		18.2	12	TH-232		0.0010
14-04118-13	TRG	FEEBRIS02-2.019-020	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-232	EML Th-01 Modified	1.30E-01	7.73E-02	7.82E-02	7.53E-02	pCi/g	4/21/2014	1.266	170	13.8		19	13	TH-232		0.0130
14-04118-14	TRG	FEEBRIS02-2.020-021	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-232	EML Th-01 Modified	4.64E-01	1.68E-01	1.73E-01	7.88E-02	pCi/g	4/21/2014	1.216	170	38.8		16.9	14	TH-232		0.0070
14-04118-15	TRG	FEEBRIS02-2.022-023	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-232	EML Th-01 Modified	6.81E-01	2.09E-01	2.18E-01	5.00E-02	pCi/g	4/21/2014	1.16	170	56.8		19.3	15	TH-232		0.0010
14-04118-16	TRG	FEEBRIS02-2.022-023D	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-232	EML Th-01 Modified	4.36E-01	1.55E-01	1.60E-01	6.70E-02	pCi/g	4/21/2014	1.172	170	39		18.9	16	TH-232		0.0000
14-04118-17	TRG	FEEBRIS05-3.025-026	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-232	EML Th-01 Modified	4.35E-01	1.49E-01	1.54E-01	5.50E-02	pCi/g	4/21/2014	1.126	170	41.5		18.7	17	TH-232		0.0030
14-04118-18	TRG	FEEBRIS05-3.025-026D	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-232	EML Th-01 Modified	8.20E-01	2.37E-01	2.48E-01	6.47E-02	pCi/g	4/21/2014	1.054	170	66.5		17.3	18	TH-232		0.0030
14-04118-19	TRG	FEEBRIS08-1.044-045	04/13/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-232	EML Th-01 Modified	4.82E-01	1.86E-01	1.91E-01	6.13E-02	pCi/g	4/21/2014	1.136	170	32.8		16.9	19	TH-232		0.0010
14-04118-20	TRG	FEEBRISWL-119.001-002	04/14/14 00:00	4/17/2014	4/24/2014	14-04118	Thorium-232	EML Th-01 Modified	3.04E-01	1.42E-01	1.45E-01	7.04E-02	pCi/g	4/21/2014	1.056	170	20.7		17.8	20	TH-232		0.0020

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:															
			Dan Feezor					SDG:	14-04118														
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1														
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL														
			Chatham, IL 62629					Sample Matrix:	SO														
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	Background CPM
14-04118-01	LCS	KNOWN	04/17/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-234	EML U-02 Modified	8.03E+00	2.89E-01			pCi/g	4/21/2014	1	170	631		17	01	U-234	8.0258	0.0020
14-04118-01	LCS	SPIKE	04/17/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-234	EML U-02 Modified	7.48E+00	9.76E-01	1.11E+00	5.67E-02	pCi/g	4/21/2014	1	170	631		17	01	U-234	8.0258	0.0020
14-04118-02	MBL	BLANK	04/17/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-234	EML U-02 Modified	6.58E-02	6.27E-02	6.29E-02	6.75E-02	pCi/g	4/21/2014	1	170	4.66		18.1	02	U-234		0.0020
14-04118-03	DUP	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-234	EML U-02 Modified	4.67E-01	1.53E-01	1.56E-01	6.83E-02	pCi/g	4/21/2014	1.03	170	41		16.3	03	U-234		0.0000
14-04118-04	DO	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-234	EML U-02 Modified	4.69E-01	1.53E-01	1.57E-01	5.52E-02	pCi/g	4/21/2014	1.03	170	40.7		15.9	04	U-234		0.0020
14-04118-05	TRG	FEEBRIS01-2.018-019	04/12/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-234	EML U-02 Modified	4.00E-01	1.35E-01	1.38E-01	5.89E-02	pCi/g	4/21/2014	1.138	170	38.3		18.5	05	U-234		0.0040
14-04118-06	TRG	FEEBRIS01-2.020-021	04/12/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-234	EML U-02 Modified	4.58E-01	1.55E-01	1.58E-01	5.06E-02	pCi/g	4/21/2014	1.074	170	37.8		18.2	06	U-234		0.0010
14-04118-07	TRG	FEEBRIS01-2.022-023	04/12/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-234	EML U-02 Modified	1.49E-01	7.90E-02	7.98E-02	5.89E-02	pCi/g	4/21/2014	1.172	170	15.1		19	07	U-234		0.0050
14-04118-08	TRG	FEEBRIS01-2.023-024	04/12/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-234	EML U-02 Modified	4.41E-01	1.71E-01	1.74E-01	7.36E-02	pCi/g	4/21/2014	1.048	170	28.7		16.9	08	U-234		0.0020
14-04118-09	TRG	FEEBRIS01-2.033-034	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-234	EML U-02 Modified	4.99E-01	1.47E-01	1.51E-01	5.09E-02	pCi/g	4/21/2014	1.274	170	51.5		19.3	09	U-234		0.0030
14-04118-10	TRG	FEEBRIS01-2.038-039	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-234	EML U-02 Modified	3.14E-01	1.24E-01	1.26E-01	4.88E-02	pCi/g	4/21/2014	1.104	170	26.8		18.9	10	U-234		0.0010
14-04118-11	TRG	FEEBRIS01-2.038-039D	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-234	EML U-02 Modified	3.03E-01	1.20E-01	1.22E-01	4.72E-02	pCi/g	4/21/2014	1.068	170	26.8		18.7	11	U-234		0.0010
14-04118-12	TRG	FEEBRIS01-2.040-041	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-234	EML U-02 Modified	1.73E-01	9.05E-02	9.14E-02	4.86E-02	pCi/g	4/21/2014	1.168	170	14.8		17.3	12	U-234		0.0010
14-04118-13	TRG	FEEBRIS02-2.019-020	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-234	EML U-02 Modified	3.60E-01	1.18E-01	1.21E-01	3.77E-02	pCi/g	4/21/2014	1.266	170	39.8		16.9	13	U-234		0.0010
14-04118-14	TRG	FEEBRIS02-2.020-021	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-234	EML U-02 Modified	3.25E-01	1.24E-01	1.26E-01	5.78E-02	pCi/g	4/21/2014	1.216	170	29.5		17.8	14	U-234		0.0030
14-04118-15	TRG	FEEBRIS02-2.022-023	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-234	EML U-02 Modified	3.86E-01	1.22E-01	1.25E-01	5.03E-02	pCi/g	4/21/2014	1.16	170.02	43.3		17.4	15	U-234		0.0040
14-04118-16	TRG	FEEBRIS02-2.022-023D	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-234	EML U-02 Modified	4.58E-01	1.53E-01	1.56E-01	8.05E-02	pCi/g	4/21/2014	1.172	170	40.5		18.5	16	U-234		0.0090
14-04118-17	TRG	FEEBRIS05-3.025-026	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-234	EML U-02 Modified	4.57E-01	1.41E-01	1.45E-01	6.43E-02	pCi/g	4/21/2014	1.126	170.02	46.8		19.2	17	U-234		0.0070
14-04118-18	TRG	FEEBRIS05-3.025-026D	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-234	EML U-02 Modified	6.49E-01	1.67E-01	1.73E-01	4.97E-02	pCi/g	4/21/2014	1.054	170.02	68.5		20.1	18	U-234		0.0030
14-04118-19	TRG	FEEBRIS08-1.044-045	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-234	EML U-02 Modified	5.68E-01	1.66E-01	1.70E-01	5.16E-02	pCi/g	4/21/2014	1.136	170	52.7		19.3	19	U-234		0.0020
14-04118-20	TRG	FEEBRISWL-119.001-002	04/14/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-234	EML U-02 Modified	6.08E-01	1.99E-01	2.03E-01	8.63E-02	pCi/g	4/21/2014	1.056	170	42.2		18.6	20	U-234		0.0050

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			Dan Feezor Feezor Engineering, Inc. 406 East Walnut Street Chatham, IL 62629					SDG:	14-04118															
								Purchase Order:	BT-026-PO1															
								Analysis Category:	ENVIRONMENTAL															
					Sample Matrix:					SO														
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	Background CPM	
14-04118-01	LCS	SPIKE	04/17/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-235	EML U-02 Modified	6.44E-01	2.04E-01	2.09E-01	8.78E-02	pCi/g	4/21/2014	1	170	44		17	01	U-235		0.0000	
14-04118-02	MBL	BLANK	04/17/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-235	EML U-02 Modified	1.45E-02	3.47E-02	3.47E-02	7.27E-02	pCi/g	4/21/2014	1	170	0.83		18.1	02	U-235		0.0010	
14-04118-03	DUP	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-235	EML U-02 Modified	7.02E-02	6.78E-02	6.80E-02	8.42E-02	pCi/g	4/21/2014	1.03	170	5		16.3	03	U-235		0.0000	
14-04118-04	DO	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-235	EML U-02 Modified	4.27E-02	5.60E-02	5.61E-02	8.53E-02	pCi/g	4/21/2014	1.03	170	3		15.9	04	U-235		0.0000	
14-04118-05	TRG	FEEBRIS01-2.018-019	04/12/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-235	EML U-02 Modified	5.35E-02	5.76E-02	5.77E-02	7.71E-02	pCi/g	4/21/2014	1.138	170	4.15		18.5	05	U-235		0.0050	
14-04118-06	TRG	FEEBRIS01-2.020-021	04/12/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-235	EML U-02 Modified	7.33E-03	3.06E-02	3.06E-02	7.84E-02	pCi/g	4/21/2014	1.074	170	0.49		18.2	06	U-235		0.0030	
14-04118-07	TRG	FEEBRIS01-2.022-023	04/12/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-235	EML U-02 Modified	3.89E-03	2.51E-02	2.51E-02	6.85E-02	pCi/g	4/21/2014	1.172	170	0.32		19	07	U-235		0.0040	
14-04118-08	TRG	FEEBRIS01-2.023-024	04/12/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-235	EML U-02 Modified	9.50E-02	9.19E-02	9.22E-02	1.14E-01	pCi/g	4/21/2014	1.048	170	5		16.9	08	U-235		0.0000	
14-04118-09	TRG	FEEBRIS01-2.033-034	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-235	EML U-02 Modified	2.19E-02	3.35E-02	3.35E-02	4.99E-02	pCi/g	4/21/2014	1.274	170	1.83		19.3	09	U-235		0.0010	
14-04118-10	TRG	FEEBRIS01-2.038-039	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-235	EML U-02 Modified	6.97E-02	6.39E-02	6.41E-02	6.03E-02	pCi/g	4/21/2014	1.104	170	4.83		18.9	10	U-235		0.0010	
14-04118-11	TRG	FEEBRIS01-2.038-039D	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-235	EML U-02 Modified	1.63E-01	9.64E-02	9.71E-02	6.67E-02	pCi/g	4/21/2014	1.068	170	11.7		18.7	11	U-235		0.0020	
14-04118-12	TRG	FEEBRIS01-2.040-041	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-235	EML U-02 Modified	6.69E-02	6.37E-02	6.39E-02	6.87E-02	pCi/g	4/21/2014	1.168	170	4.66		17.3	12	U-235		0.0020	
14-04118-13	TRG	FEEBRIS02-2.019-020	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-235	EML U-02 Modified	9.26E-03	2.22E-02	2.22E-02	4.66E-02	pCi/g	4/21/2014	1.266	170	0.83		16.9	13	U-235		0.0010	
14-04118-14	TRG	FEEBRIS02-2.020-021	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-235	EML U-02 Modified	6.79E-02	6.57E-02	6.58E-02	8.15E-02	pCi/g	4/21/2014	1.216	170	5		17.8	14	U-235		0.0000	
14-04118-15	TRG	FEEBRIS02-2.022-023	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-235	EML U-02 Modified	5.85E-02	5.36E-02	5.38E-02	6.20E-02	pCi/g	4/21/2014	1.16	170.02	5.32		17.4	15	U-235		0.0040	
14-04118-16	TRG	FEEBRIS02-2.022-023D	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-235	EML U-02 Modified	5.32E-02	6.27E-02	6.29E-02	9.21E-02	pCi/g	4/21/2014	1.172	170	3.81		18.5	16	U-235		0.0070	
14-04118-17	TRG	FEEBRIS05-3.025-026	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-235	EML U-02 Modified	9.61E-02	7.22E-02	7.25E-02	7.59E-02	pCi/g	4/21/2014	1.126	170.02	7.98		19.2	17	U-235		0.0060	
14-04118-18	TRG	FEEBRIS05-3.025-026D	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-235	EML U-02 Modified	6.02E-02	5.71E-02	5.73E-02	7.00E-02	pCi/g	4/21/2014	1.054	170.02	5.15		20.1	18	U-235		0.0050	
14-04118-19	TRG	FEEBRIS08-1.044-045	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-235	EML U-02 Modified	8.87E-02	7.00E-02	7.03E-02	6.37E-02	pCi/g	4/21/2014	1.136	170	6.66		19.3	19	U-235		0.0020	
14-04118-20	TRG	FEEBRISWL-119.001-002	04/14/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-235	EML U-02 Modified	1.48E-02	3.54E-02	3.54E-02	7.42E-02	pCi/g	4/21/2014	1.056	170	0.83		18.6	20	U-235		0.0010	

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:															
			Dan Feezor					SDG:	14-04118														
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1														
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL														
			Chatham, IL 62629					Sample Matrix:	SO														
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	Background CPM
14-04118-01	LCS	KNOWN	04/17/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-238	EML U-02 Modified	7.82E+00	2.82E-01			pCi/g	4/21/2014	1	170	635		17	01	U-238	7.8231	0.0010
14-04118-01	LCS	SPIKE	04/17/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-238	EML U-02 Modified	7.50E+00	9.77E-01	1.11E+00	4.93E-02	pCi/g	4/21/2014	1	170	635		17	01	U-238	7.8231	0.0010
14-04118-02	MBL	BLANK	04/17/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-238	EML U-02 Modified	0.00E+00	3.90E-02	3.90E-02	8.43E-02	pCi/g	4/21/2014	1	170	1		18.1	02	U-238		0.0000
14-04118-03	DUP	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-238	EML U-02 Modified	3.59E-01	1.31E-01	1.34E-01	5.42E-02	pCi/g	4/21/2014	1.03	170	31.7		16.3	03	U-238		0.0020
14-04118-04	DO	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-238	EML U-02 Modified	4.35E-01	1.46E-01	1.49E-01	4.79E-02	pCi/g	4/21/2014	1.03	170	37.8		15.9	04	U-238		0.0010
14-04118-05	TRG	FEEBRIS01-2.018-019	04/12/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-238	EML U-02 Modified	4.12E-01	1.36E-01	1.39E-01	4.97E-02	pCi/g	4/21/2014	1.138	170	39.7		18.5	05	U-238		0.0020
14-04118-06	TRG	FEEBRIS01-2.020-021	04/12/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-238	EML U-02 Modified	3.96E-01	1.43E-01	1.45E-01	5.04E-02	pCi/g	4/21/2014	1.074	170	32.8		18.2	06	U-238		0.0010
14-04118-07	TRG	FEEBRIS01-2.022-023	04/12/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-238	EML U-02 Modified	6.17E-02	5.57E-02	5.58E-02	7.20E-02	pCi/g	4/21/2014	1.172	170	6.3		19	07	U-238		0.0100
14-04118-08	TRG	FEEBRIS01-2.023-024	04/12/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-238	EML U-02 Modified	3.55E-01	1.54E-01	1.56E-01	9.18E-02	pCi/g	4/21/2014	1.048	170	23.1		16.9	08	U-238		0.0050
14-04118-09	TRG	FEEBRIS01-2.033-034	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-238	EML U-02 Modified	2.98E-01	1.10E-01	1.12E-01	4.03E-02	pCi/g	4/21/2014	1.274	170	30.8		19.3	09	U-238		0.0010
14-04118-10	TRG	FEEBRIS01-2.038-039	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-238	EML U-02 Modified	2.64E-01	1.13E-01	1.15E-01	5.57E-02	pCi/g	4/21/2014	1.104	170	22.7		18.9	10	U-238		0.0020
14-04118-11	TRG	FEEBRIS01-2.038-039D	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-238	EML U-02 Modified	3.21E-01	1.24E-01	1.26E-01	5.91E-02	pCi/g	4/21/2014	1.068	170	28.5		18.7	11	U-238		0.0030
14-04118-12	TRG	FEEBRIS01-2.040-041	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-238	EML U-02 Modified	2.05E-01	9.92E-02	1.00E-01	5.54E-02	pCi/g	4/21/2014	1.168	170	17.7		17.3	12	U-238		0.0020
14-04118-13	TRG	FEEBRIS02-2.019-020	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-238	EML U-02 Modified	3.06E-01	1.09E-01	1.11E-01	5.40E-02	pCi/g	4/21/2014	1.266	170	34		16.9	13	U-238		0.0000
14-04118-14	TRG	FEEBRIS02-2.020-021	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-238	EML U-02 Modified	3.38E-01	1.25E-01	1.28E-01	4.58E-02	pCi/g	4/21/2014	1.216	170	30.8		17.8	14	U-238		0.0010
14-04118-15	TRG	FEEBRIS02-2.022-023	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-238	EML U-02 Modified	4.14E-01	1.26E-01	1.30E-01	4.24E-02	pCi/g	4/21/2014	1.16	170.02	46.7		17.4	15	U-238		0.0020
14-04118-16	TRG	FEEBRIS02-2.022-023D	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-238	EML U-02 Modified	4.34E-01	1.46E-01	1.49E-01	5.92E-02	pCi/g	4/21/2014	1.172	170	38.5		18.5	16	U-238		0.0030
14-04118-17	TRG	FEEBRIS05-3.025-026	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-238	EML U-02 Modified	4.02E-01	1.30E-01	1.33E-01	5.49E-02	pCi/g	4/21/2014	1.126	170.02	41.3		19.2	17	U-238		0.0040
14-04118-18	TRG	FEEBRIS05-3.025-026D	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-238	EML U-02 Modified	7.07E-01	1.76E-01	1.83E-01	5.94E-02	pCi/g	4/21/2014	1.054	170.02	75		20.1	18	U-238		0.0060
14-04118-19	TRG	FEEBRIS08-1.044-045	04/13/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-238	EML U-02 Modified	4.69E-01	1.48E-01	1.52E-01	5.14E-02	pCi/g	4/21/2014	1.136	170	43.7		19.3	19	U-238		0.0020
14-04118-20	TRG	FEEBRISWL-119.001-002	04/14/14 00:00	4/17/2014	4/23/2014	14-04118	Uranium-238	EML U-02 Modified	8.64E-01	2.42E-01	2.50E-01	8.60E-02	pCi/g	4/21/2014	1.056	170	60.2		18.6	20	U-238		0.0050

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								Purchase Order:		BT-026-PO1														
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Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	CV	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	
14-04118-01	LCS	KNOWN	04/17/14 00:00	4/17/2014	5/19/2014	14-04118	Cobalt-60	LANL ER-130 Modified	1.30E+02	5.22E+00				pCi/g	4/18/2014	1	30				01	CO-60	130.4300	
14-04118-01	LCS	KNOWN	04/17/14 00:00	4/17/2014	5/19/2014	14-04118	Cesium-137	LANL ER-130 Modified	8.30E+01	3.32E+00				pCi/g	4/18/2014	1	30				01	CS-137	82.9600	
14-04118-01	LCS	SPIKE	04/17/14 00:00	4/17/2014	5/19/2014	14-04118	Cobalt-60	LANL ER-130 Modified	1.36E+02	8.90E+00	1.13E+01	1.70E+00	1.19E+00	pCi/g	4/18/2014	1	30				01	CO-60	130.4300	
14-04118-01	LCS	SPIKE	04/17/14 00:00	4/17/2014	5/19/2014	14-04118	Cesium-137	LANL ER-130 Modified	8.84E+01	8.18E+00	9.35E+00	2.18E+00	1.08E+00	pCi/g	4/18/2014	1	30				01	CS-137	82.9600	
14-04118-02	MBL	BLANK	04/17/14 00:00	4/17/2014	5/19/2014	14-04118	Actinium-228	LANL ER-130 Modified	6.53E-02	1.36E-01	1.36E-01	2.63E-01	1.14E-01	pCi/g	4/18/2014	1	60				02	AC-228		
14-04118-02	MBL	BLANK	04/17/14 00:00	4/17/2014	5/19/2014	14-04118	Bismuth-214	LANL ER-130 Modified	2.61E-02	8.06E-02	8.06E-02	1.35E-01	6.03E-02	pCi/g	4/18/2014	1	60				02	BI-214		
14-04118-02	MBL	BLANK	04/17/14 00:00	4/17/2014	5/19/2014	14-04118	Potassium-40	LANL ER-130 Modified	-2.80E-02	3.64E-01	3.64E-01	5.42E-01	2.03E-01	pCi/g	4/18/2014	1	60				02	K-40		
14-04118-02	MBL	BLANK	04/17/14 00:00	4/17/2014	5/19/2014	14-04118	Protactinium-231	LANL ER-130 Modified	-2.86E-02	1.48E+00	1.48E+00	2.06E+00	9.58E-01	pCi/g	4/18/2014	1	60				02	PA-231		
14-04118-02	MBL	BLANK	04/17/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-210	LANL ER-130 Modified	4.70E-01	4.89E-01	4.89E-01	7.99E-01	3.80E-01	pCi/g	4/18/2014	1	60				02	PB-210		
14-04118-02	MBL	BLANK	04/17/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-212	LANL ER-130 Modified	2.08E-02	5.91E-02	5.91E-02	8.74E-02	4.07E-02	pCi/g	4/18/2014	1	60				02	PB-212		
14-04118-02	MBL	BLANK	04/17/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-214	LANL ER-130 Modified	2.35E-02	2.99E-02	2.99E-02	1.44E-01	6.66E-02	pCi/g	4/18/2014	1	60				02	PB-214		
14-04118-02	MBL	BLANK	04/17/14 00:00	4/17/2014	5/19/2014	14-04118	Thallium-208	LANL ER-130 Modified	4.13E-02	1.30E-01	1.30E-01	2.20E-01	9.93E-02	pCi/g	4/18/2014	1	60				02	TL-208		
14-04118-03	DUP	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Actinium-228	LANL ER-130 Modified	1.59E+00	2.37E-01	2.50E-01	3.79E-01	1.78E-01	pCi/g	4/18/2014	478.12	60				03	AC-228		
14-04118-03	DUP	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Bismuth-214	LANL ER-130 Modified	1.39E+00	1.81E-01	1.95E-01	1.97E-01	9.32E-02	pCi/g	4/18/2014	478.12	60				03	BI-214		
14-04118-03	DUP	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Potassium-40	LANL ER-130 Modified	2.13E+01	2.60E+00	2.82E+00	1.01E+00	4.64E-01	pCi/g	4/18/2014	478.12	60				03	K-40		
14-04118-03	DUP	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Protactinium-231	LANL ER-130 Modified	-1.57E+00	2.00E+00	2.01E+00	2.38E+00	1.13E+00	pCi/g	4/18/2014	478.12	60				03	PA-231		
14-04118-03	DUP	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-210	LANL ER-130 Modified	2.04E+00	1.47E+00	1.48E+00	2.42E+00	1.19E+00	pCi/g	4/18/2014	478.12	60				03	PB-210		
14-04118-03	DUP	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-212	LANL ER-130 Modified	1.65E+00	2.18E-01	2.34E-01	2.30E-01	1.13E-01	pCi/g	4/18/2014	478.12	60				03	PB-212		
14-04118-03	DUP	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-214	LANL ER-130 Modified	1.38E+00	1.74E-01	1.88E-01	2.10E-01	1.01E-01	pCi/g	4/18/2014	478.12	60				03	PB-214		
14-04118-03	DUP	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Thallium-208	LANL ER-130 Modified	1.19E+00	1.81E-01	1.91E-01	2.10E-01	1.51E-01	pCi/g	4/18/2014	478.12	60				03	TL-208		
14-04118-04	DO	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Actinium-228	LANL ER-130 Modified	1.31E+00	2.10E-01	2.21E-01	5.04E-01	2.40E-01	pCi/g	4/18/2014	478.12	60				04	AC-228		
14-04118-04	DO	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Bismuth-214	LANL ER-130 Modified	1.38E+00	1.89E-01	2.02E-01	2.21E-01	1.05E-01	pCi/g	4/18/2014	478.12	60				04	BI-214		
14-04118-04	DO	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Potassium-40	LANL ER-130 Modified	2.09E+01	2.61E+00	2.82E+00	1.30E+00	6.06E-01	pCi/g	4/18/2014	478.12	60				04	K-40		
14-04118-04	DO	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Protactinium-231	LANL ER-130 Modified	-4.33E+00	2.32E+00	2.33E+00	2.35E+00	1.11E+00	pCi/g	4/18/2014	478.12	60				04	PA-231		
14-04118-04	DO	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-210	LANL ER-130 Modified	1.28E+00	1.50E+00	1.50E+00	2.51E+00	1.23E+00	pCi/g	4/18/2014	478.12	60				04	PB-210		
14-04118-04	DO	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-212	LANL ER-130 Modified	1.17E+00	1.50E-01	1.62E-01	2.84E-01	1.40E-01	pCi/g	4/18/2014	478.12	60				04	PB-212		
14-04118-04	DO	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-214	LANL ER-130 Modified	1.45E+00	1.88E-01	2.02E-01	2.61E-01	1.26E-01	pCi/g	4/18/2014	478.12	60				04	PB-214		
14-04118-04	DO	FEEBRIS01-2.008-009	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Thallium-208	LANL ER-130 Modified	1.16E+00	1.91E-01	2.00E-01	1.50E-01	1.64E-01	pCi/g	4/18/2014	478.12	60				04	TL-208		

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Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	CV	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	
14-04118-05	TRG	FEEBRIS01-2.018-019	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Actinium-228	LANL ER-130 Modified	1.34E+00	2.39E-01	2.48E-01	4.27E-01	2.00E-01	pCi/g	4/18/2014	520.84	60				05	AC-228		
14-04118-05	TRG	FEEBRIS01-2.018-019	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Bismuth-214	LANL ER-130 Modified	1.32E+00	1.87E-01	1.99E-01	1.94E-01	9.16E-02	pCi/g	4/18/2014	520.84	60				05	BI-214		
14-04118-05	TRG	FEEBRIS01-2.018-019	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Potassium-40	LANL ER-130 Modified	1.94E+01	2.64E+00	2.82E+00	1.27E+00	5.85E-01	pCi/g	4/18/2014	520.84	60				05	K-40		
14-04118-05	TRG	FEEBRIS01-2.018-019	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Protactinium-231	LANL ER-130 Modified	1.62E-01	9.36E-01	9.36E-01	3.03E+00	1.45E+00	pCi/g	4/18/2014	520.84	60				05	PA-231		
14-04118-05	TRG	FEEBRIS01-2.018-019	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-210	LANL ER-130 Modified	1.18E+00	1.23E+00	1.24E+00	2.05E+00	1.00E+00	pCi/g	4/18/2014	520.84	60				05	PB-210		
14-04118-05	TRG	FEEBRIS01-2.018-019	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-212	LANL ER-130 Modified	1.30E+00	1.66E-01	1.79E-01	2.53E-01	1.24E-01	pCi/g	4/18/2014	520.84	60				05	PB-212		
14-04118-05	TRG	FEEBRIS01-2.018-019	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-214	LANL ER-130 Modified	1.37E+00	1.62E-01	1.76E-01	2.89E-01	1.40E-01	pCi/g	4/18/2014	520.84	60				05	PB-214		
14-04118-05	TRG	FEEBRIS01-2.018-019	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Thallium-208	LANL ER-130 Modified	1.09E+00	1.94E-01	2.02E-01	4.17E-02	1.65E-01	pCi/g	4/18/2014	520.84	60				05	TL-208		
14-04118-06	TRG	FEEBRIS01-2.020-021	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Actinium-228	LANL ER-130 Modified	1.05E+00	2.45E-01	2.51E-01	4.96E-01	2.35E-01	pCi/g	4/18/2014	539.63	60				06	AC-228		
14-04118-06	TRG	FEEBRIS01-2.020-021	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Bismuth-214	LANL ER-130 Modified	1.22E+00	2.07E-01	2.16E-01	2.69E-01	1.29E-01	pCi/g	4/18/2014	539.63	60				06	BI-214		
14-04118-06	TRG	FEEBRIS01-2.020-021	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Potassium-40	LANL ER-130 Modified	1.53E+01	2.15E+00	2.29E+00	8.40E-01	3.70E-01	pCi/g	4/18/2014	539.63	60				06	K-40		
14-04118-06	TRG	FEEBRIS01-2.020-021	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Protactinium-231	LANL ER-130 Modified	5.85E-01	1.84E+00	1.84E+00	2.77E+00	1.33E+00	pCi/g	4/18/2014	539.63	60				06	PA-231		
14-04118-06	TRG	FEEBRIS01-2.020-021	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-210	LANL ER-130 Modified	1.19E+00	1.19E+00	1.20E+00	2.01E+00	9.80E-01	pCi/g	4/18/2014	539.63	60				06	PB-210		
14-04118-06	TRG	FEEBRIS01-2.020-021	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-212	LANL ER-130 Modified	1.31E+00	1.65E-01	1.78E-01	2.17E-01	1.06E-01	pCi/g	4/18/2014	539.63	60				06	PB-212		
14-04118-06	TRG	FEEBRIS01-2.020-021	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-214	LANL ER-130 Modified	9.76E-01	1.73E-01	1.80E-01	2.29E-01	1.11E-01	pCi/g	4/18/2014	539.63	60				06	PB-214		
14-04118-06	TRG	FEEBRIS01-2.020-021	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Thallium-208	LANL ER-130 Modified	9.67E-01	2.04E-01	2.10E-01	1.31E-01	2.04E-01	pCi/g	4/18/2014	539.63	60				06	TL-208		
14-04118-07	TRG	FEEBRIS01-2.022-023	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Actinium-228	LANL ER-130 Modified	4.43E-01	4.14E-01	4.15E-01	9.04E-01	3.95E-01	pCi/g	4/18/2014	89.12	60				07	AC-228		
14-04118-07	TRG	FEEBRIS01-2.022-023	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Bismuth-214	LANL ER-130 Modified	2.29E-01	3.34E-01	3.35E-01	5.81E-01	2.66E-01	pCi/g	4/18/2014	89.12	60				07	BI-214		
14-04118-07	TRG	FEEBRIS01-2.022-023	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Potassium-40	LANL ER-130 Modified	4.26E+00	1.86E+00	1.88E+00	1.90E+00	7.38E-01	pCi/g	4/18/2014	89.12	60				07	K-40		
14-04118-07	TRG	FEEBRIS01-2.022-023	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Protactinium-231	LANL ER-130 Modified	-2.20E-01	3.70E+00	3.70E+00	6.28E+00	2.85E+00	pCi/g	4/18/2014	89.12	60				07	PA-231		
14-04118-07	TRG	FEEBRIS01-2.022-023	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-210	LANL ER-130 Modified	4.28E+00	3.30E+00	3.30E+00	4.94E+00	2.35E+00	pCi/g	4/18/2014	89.12	60				07	PB-210		
14-04118-07	TRG	FEEBRIS01-2.022-023	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-212	LANL ER-130 Modified	2.68E-01	1.98E-01	1.98E-01	3.81E-01	1.78E-01	pCi/g	4/18/2014	89.12	60				07	PB-212		
14-04118-07	TRG	FEEBRIS01-2.022-023	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-214	LANL ER-130 Modified	2.30E-01	2.50E-01	2.50E-01	4.78E-01	2.19E-01	pCi/g	4/18/2014	89.12	60				07	PB-214		
14-04118-07	TRG	FEEBRIS01-2.022-023	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Thallium-208	LANL ER-130 Modified	3.27E-01	4.25E-01	4.26E-01	7.62E-01	3.44E-01	pCi/g	4/18/2014	89.12	60				07	TL-208		
14-04118-08	TRG	FEEBRIS01-2.023-024	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Actinium-228	LANL ER-130 Modified	1.21E+00	4.30E-01	4.34E-01	8.08E-01	3.79E-01	pCi/g	4/18/2014	541.79	60				08	AC-228		
14-04118-08	TRG	FEEBRIS01-2.023-024	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Bismuth-214	LANL ER-130 Modified	1.35E+00	3.08E-01	3.16E-01	3.98E-01	1.88E-01	pCi/g	4/18/2014	541.79	60				08	BI-214		
14-04118-08	TRG	FEEBRIS01-2.023-024	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Potassium-40	LANL ER-130 Modified	1.53E+01	2.82E+00	2.93E+00	2.15E+00	9.76E-01	pCi/g	4/18/2014	541.79	60				08	K-40		
14-04118-08	TRG	FEEBRIS01-2.023-024	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Protactinium-231	LANL ER-130 Modified	3.35E+00	3.70E+00	3.71E+00	5.42E+00	2.61E+00	pCi/g	4/18/2014	541.79	60				08	PA-231		
14-04118-08	TRG	FEEBRIS01-2.023-024	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-210	LANL ER-130 Modified	1.51E+00	1.55E+00	1.55E+00	2.58E+00	1.26E+00	pCi/g	4/18/2014	541.79	60				08	PB-210		
14-04118-08	TRG	FEEBRIS01-2.023-024	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-212	LANL ER-130 Modified	1.19E+00	2.86E-01	2.93E-01	3.79E-01	1.85E-01	pCi/g	4/18/2014	541.79	60				08	PB-212		
14-04118-08	TRG	FEEBRIS01-2.023-024	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-214	LANL ER-130 Modified	1.12E+00	2.73E-01	2.79E-01	4.50E-01	2.17E-01	pCi/g	4/18/2014	541.79	60				08	PB-214		
14-04118-08	TRG	FEEBRIS01-2.023-024	04/12/14 00:00	4/17/2014	5/19/2014	14-04118	Thallium-208	LANL ER-130 Modified	1.36E+00	3.50E-01	3.57E-01	3.27E-01	3.25E-01	pCi/g	4/18/2014	541.79	60				08	TL-208		

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:															
			Dan Feezor Feezor Engineering, Inc. 406 East Walnut Street Chatham, IL 62629					SDG:		14-04118													
								Purchase Order:		BT-026-PO1													
								Analysis Category:		ENVIRONMENTAL													
								Sample Matrix:		SO													
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	CV	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS
14-04118-09	TRG	FEEBRIS01-2.033-034	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Actinium-228	LANL ER-130 Modified	2.58E-01	1.88E-01	1.88E-01	3.34E-01	1.56E-01	pCi/g	4/18/2014	520.38	60				09	AC-228	
14-04118-09	TRG	FEEBRIS01-2.033-034	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Bismuth-214	LANL ER-130 Modified	6.17E-01	1.26E-01	1.30E-01	1.82E-01	8.64E-02	pCi/g	4/18/2014	520.38	60				09	BI-214	
14-04118-09	TRG	FEEBRIS01-2.033-034	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Potassium-40	LANL ER-130 Modified	8.39E+00	1.27E+00	1.34E+00	5.44E-01	2.33E-01	pCi/g	4/18/2014	520.38	60				09	K-40	
14-04118-09	TRG	FEEBRIS01-2.033-034	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Protactinium-231	LANL ER-130 Modified	-1.14E+00	1.43E+00	1.43E+00	1.68E+00	7.87E-01	pCi/g	4/18/2014	520.38	60				09	PA-231	
14-04118-09	TRG	FEEBRIS01-2.033-034	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-210	LANL ER-130 Modified	1.09E+00	6.94E-01	6.96E-01	1.14E+00	5.46E-01	pCi/g	4/18/2014	520.38	60				09	PB-210	
14-04118-09	TRG	FEEBRIS01-2.033-034	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-212	LANL ER-130 Modified	2.66E-01	7.37E-02	7.50E-02	1.69E-01	8.24E-02	pCi/g	4/18/2014	520.38	60				09	PB-212	
14-04118-09	TRG	FEEBRIS01-2.033-034	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-214	LANL ER-130 Modified	6.14E-01	1.24E-01	1.28E-01	1.83E-01	8.80E-02	pCi/g	4/18/2014	520.38	60				09	PB-214	
14-04118-09	TRG	FEEBRIS01-2.033-034	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Thallium-208	LANL ER-130 Modified	1.82E-01	9.71E-02	9.75E-02	1.78E-01	1.31E-01	pCi/g	4/18/2014	520.38	60				09	TL-208	
14-04118-10	TRG	FEEBRIS01-2.038-039	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Actinium-228	LANL ER-130 Modified	9.52E-01	3.16E-01	3.20E-01	7.62E-01	4.67E-01	pCi/g	4/18/2014	536.57	60				10	AC-228	
14-04118-10	TRG	FEEBRIS01-2.038-039	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Bismuth-214	LANL ER-130 Modified	1.02E+00	1.78E-01	1.86E-01	2.37E-01	1.13E-01	pCi/g	4/18/2014	536.57	60				10	BI-214	
14-04118-10	TRG	FEEBRIS01-2.038-039	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Potassium-40	LANL ER-130 Modified	1.98E+01	2.65E+00	2.84E+00	1.21E+00	5.55E-01	pCi/g	4/18/2014	536.57	60				10	K-40	
14-04118-10	TRG	FEEBRIS01-2.038-039	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Protactinium-231	LANL ER-130 Modified	2.48E+00	1.82E+00	1.83E+00	2.91E+00	1.40E+00	pCi/g	4/18/2014	536.57	60				10	PA-231	
14-04118-10	TRG	FEEBRIS01-2.038-039	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-210	LANL ER-130 Modified	1.46E+00	1.15E+00	1.15E+00	1.93E+00	9.38E-01	pCi/g	4/18/2014	536.57	60				10	PB-210	
14-04118-10	TRG	FEEBRIS01-2.038-039	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-212	LANL ER-130 Modified	1.01E+00	1.36E-01	1.46E-01	2.21E-01	1.08E-01	pCi/g	4/18/2014	536.57	60				10	PB-212	
14-04118-10	TRG	FEEBRIS01-2.038-039	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-214	LANL ER-130 Modified	1.11E+00	1.58E-01	1.68E-01	2.71E-01	1.31E-01	pCi/g	4/18/2014	536.57	60				10	PB-214	
14-04118-10	TRG	FEEBRIS01-2.038-039	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Thallium-208	LANL ER-130 Modified	7.21E-01	1.67E-01	1.71E-01	1.32E-01	1.81E-01	pCi/g	4/18/2014	536.57	60				10	TL-208	
14-04118-11	TRG	FEEBRIS01-2.038-039D	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Actinium-228	LANL ER-130 Modified	1.20E+00	4.14E-01	4.19E-01	8.43E-01	3.98E-01	pCi/g	4/18/2014	580.37	60				11	AC-228	
14-04118-11	TRG	FEEBRIS01-2.038-039D	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Bismuth-214	LANL ER-130 Modified	1.05E+00	2.47E-01	2.53E-01	3.35E-01	1.58E-01	pCi/g	4/18/2014	580.37	60				11	BI-214	
14-04118-11	TRG	FEEBRIS01-2.038-039D	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Potassium-40	LANL ER-130 Modified	1.92E+01	2.95E+00	3.11E+00	6.29E-01	2.23E-01	pCi/g	4/18/2014	580.37	60				11	K-40	
14-04118-11	TRG	FEEBRIS01-2.038-039D	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Protactinium-231	LANL ER-130 Modified	1.81E+00	3.29E+00	3.29E+00	4.71E+00	2.26E+00	pCi/g	4/18/2014	580.37	60				11	PA-231	
14-04118-11	TRG	FEEBRIS01-2.038-039D	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-210	LANL ER-130 Modified	1.64E+00	1.26E+00	1.26E+00	1.96E+00	9.52E-01	pCi/g	4/18/2014	580.37	60				11	PB-210	
14-04118-11	TRG	FEEBRIS01-2.038-039D	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-212	LANL ER-130 Modified	1.16E+00	2.55E-01	2.62E-01	3.22E-01	1.57E-01	pCi/g	4/18/2014	580.37	60				11	PB-212	
14-04118-11	TRG	FEEBRIS01-2.038-039D	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-214	LANL ER-130 Modified	1.24E+00	2.13E-01	2.23E-01	4.04E-01	1.95E-01	pCi/g	4/18/2014	580.37	60				11	PB-214	
14-04118-11	TRG	FEEBRIS01-2.038-039D	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Thallium-208	LANL ER-130 Modified	1.04E+00	3.21E-01	3.26E-01	3.06E-01	3.26E-01	pCi/g	4/18/2014	580.37	60				11	TL-208	
14-04118-12	TRG	FEEBRIS01-2.040-041	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Actinium-228	LANL ER-130 Modified	4.42E-01	1.68E-01	1.69E-01	3.20E-01	1.52E-01	pCi/g	4/18/2014	651.48	60				12	AC-228	
14-04118-12	TRG	FEEBRIS01-2.040-041	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Bismuth-214	LANL ER-130 Modified	3.90E-01	9.61E-02	9.81E-02	1.59E-01	7.61E-02	pCi/g	4/18/2014	651.48	60				12	BI-214	
14-04118-12	TRG	FEEBRIS01-2.040-041	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Potassium-40	LANL ER-130 Modified	1.80E+01	2.07E+00	2.26E+00	2.99E+00	1.47E+00	pCi/g	4/18/2014	651.48	60				12	K-40	
14-04118-12	TRG	FEEBRIS01-2.040-041	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Protactinium-231	LANL ER-130 Modified	3.20E-01	8.81E-01	8.81E-01	1.49E+00	7.06E-01	pCi/g	4/18/2014	651.48	60				12	PA-231	
14-04118-12	TRG	FEEBRIS01-2.040-041	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-210	LANL ER-130 Modified	7.85E-01	7.66E-01	7.68E-01	1.07E+00	5.17E-01	pCi/g	4/18/2014	651.48	60				12	PB-210	
14-04118-12	TRG	FEEBRIS01-2.040-041	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-212	LANL ER-130 Modified	4.16E-01	7.32E-02	7.62E-02	2.28E-01	1.12E-01	pCi/g	4/18/2014	651.48	60				12	PB-212	
14-04118-12	TRG	FEEBRIS01-2.040-041	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-214	LANL ER-130 Modified	4.31E-01	9.52E-02	9.78E-02	1.88E-01	9.13E-02	pCi/g	4/18/2014	651.48	60				12	PB-214	
14-04118-12	TRG	FEEBRIS01-2.040-041	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Thallium-208	LANL ER-130 Modified	3.45E-01	1.10E-01	1.11E-01	1.88E-01	8.91E-02	pCi/g	4/18/2014	651.48	60				12	TL-208	

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:																
			Dan Feezor Feezor Engineering, Inc. 406 East Walnut Street Chatham, IL 62629					SDG:		14-04118														
								Purchase Order:																
								Analysis Category:																
					Sample Matrix:		SO																	
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	CV	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	
14-04118-13	TRG	FEEBRIS02-2.019-020	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Actinium-228	LANL ER-130 Modified	8.39E-01	2.71E-01	2.74E-01	4.14E-01	1.92E-01	pCi/g	4/18/2014	356.99	60				13	AC-228		
14-04118-13	TRG	FEEBRIS02-2.019-020	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Bismuth-214	LANL ER-130 Modified	9.55E-01	1.90E-01	1.96E-01	2.83E-01	1.35E-01	pCi/g	4/18/2014	356.99	60				13	BI-214		
14-04118-13	TRG	FEEBRIS02-2.019-020	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Potassium-40	LANL ER-130 Modified	1.29E+01	1.94E+00	2.05E+00	9.44E-01	4.15E-01	pCi/g	4/18/2014	356.99	60				13	K-40		
14-04118-13	TRG	FEEBRIS02-2.019-020	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Protactinium-231	LANL ER-130 Modified	-2.47E+00	2.14E+00	2.15E+00	2.39E+00	1.11E+00	pCi/g	4/18/2014	356.99	60				13	PA-231		
14-04118-13	TRG	FEEBRIS02-2.019-020	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-210	LANL ER-130 Modified	3.41E+00	1.67E+00	1.67E+00	2.65E+00	1.29E+00	pCi/g	4/18/2014	356.99	60				13	PB-210		
14-04118-13	TRG	FEEBRIS02-2.019-020	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-212	LANL ER-130 Modified	9.58E-01	1.92E-01	1.98E-01	2.53E-01	1.23E-01	pCi/g	4/18/2014	356.99	60				13	PB-212		
14-04118-13	TRG	FEEBRIS02-2.019-020	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-214	LANL ER-130 Modified	1.02E+00	1.68E-01	1.76E-01	2.22E-01	1.06E-01	pCi/g	4/18/2014	356.99	60				13	PB-214		
14-04118-13	TRG	FEEBRIS02-2.019-020	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Thallium-208	LANL ER-130 Modified	8.06E-01	1.82E-01	1.86E-01	2.01E-01	1.60E-01	pCi/g	4/18/2014	356.99	60				13	TL-208		
14-04118-14	TRG	FEEBRIS02-2.020-021	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Actinium-228	LANL ER-130 Modified	6.59E-01	4.07E-01	4.08E-01	7.99E-01	3.64E-01	pCi/g	4/18/2014	201.82	60				14	AC-228		
14-04118-14	TRG	FEEBRIS02-2.020-021	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Bismuth-214	LANL ER-130 Modified	3.17E-01	1.81E-01	1.81E-01	3.63E-01	1.67E-01	pCi/g	4/18/2014	201.82	60				14	BI-214		
14-04118-14	TRG	FEEBRIS02-2.020-021	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Potassium-40	LANL ER-130 Modified	4.43E+00	1.57E+00	1.59E+00	1.57E+00	6.49E-01	pCi/g	4/18/2014	201.82	60				14	K-40		
14-04118-14	TRG	FEEBRIS02-2.020-021	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Protactinium-231	LANL ER-130 Modified	8.33E-02	2.83E+00	2.83E+00	4.26E+00	1.98E+00	pCi/g	4/18/2014	201.82	60				14	PA-231		
14-04118-14	TRG	FEEBRIS02-2.020-021	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-210	LANL ER-130 Modified	2.31E+00	2.05E+00	2.05E+00	3.55E+00	1.71E+00	pCi/g	4/18/2014	201.82	60				14	PB-210		
14-04118-14	TRG	FEEBRIS02-2.020-021	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-212	LANL ER-130 Modified	8.39E-01	2.26E-01	2.30E-01	3.03E-01	1.45E-01	pCi/g	4/18/2014	201.82	60				14	PB-212		
14-04118-14	TRG	FEEBRIS02-2.020-021	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-214	LANL ER-130 Modified	5.51E-01	1.95E-01	1.97E-01	3.35E-01	1.57E-01	pCi/g	4/18/2014	201.82	60				14	PB-214		
14-04118-14	TRG	FEEBRIS02-2.020-021	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Thallium-208	LANL ER-130 Modified	6.28E-01	2.42E-01	2.44E-01	1.08E-01	2.88E-01	pCi/g	4/18/2014	201.82	60				14	TL-208		
14-04118-15	TRG	FEEBRIS02-2.022-023	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Actinium-228	LANL ER-130 Modified	1.54E+00	4.38E-01	4.45E-01	7.84E-01	3.64E-01	pCi/g	4/18/2014	484.01	60				15	AC-228		
14-04118-15	TRG	FEEBRIS02-2.022-023	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Bismuth-214	LANL ER-130 Modified	1.31E+00	3.65E-01	3.71E-01	6.48E-01	3.12E-01	pCi/g	4/18/2014	484.01	60				15	BI-214		
14-04118-15	TRG	FEEBRIS02-2.022-023	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Potassium-40	LANL ER-130 Modified	1.89E+01	3.32E+00	3.46E+00	2.37E+00	1.07E+00	pCi/g	4/18/2014	484.01	60				15	K-40		
14-04118-15	TRG	FEEBRIS02-2.022-023	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Protactinium-231	LANL ER-130 Modified	-3.82E+00	4.36E+00	4.36E+00	5.32E+00	2.54E+00	pCi/g	4/18/2014	484.01	60				15	PA-231		
14-04118-15	TRG	FEEBRIS02-2.022-023	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-210	LANL ER-130 Modified	1.69E+00	1.67E+00	1.67E+00	2.51E+00	1.22E+00	pCi/g	4/18/2014	484.01	60				15	PB-210		
14-04118-15	TRG	FEEBRIS02-2.022-023	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-212	LANL ER-130 Modified	1.68E+00	3.48E-01	3.59E-01	4.24E-01	2.07E-01	pCi/g	4/18/2014	484.01	60				15	PB-212		
14-04118-15	TRG	FEEBRIS02-2.022-023	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-214	LANL ER-130 Modified	1.29E+00	3.15E-01	3.22E-01	5.64E-01	2.73E-01	pCi/g	4/18/2014	484.01	60				15	PB-214		
14-04118-15	TRG	FEEBRIS02-2.022-023	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Thallium-208	LANL ER-130 Modified	1.15E+00	3.54E-01	3.59E-01	3.66E-01	4.05E-01	pCi/g	4/18/2014	484.01	60				15	TL-208		
14-04118-16	TRG	FEEBRIS02-2.022-023D	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Actinium-228	LANL ER-130 Modified	1.33E+00	2.57E-01	2.66E-01	5.02E-01	2.38E-01	pCi/g	4/18/2014	398.65	60				16	AC-228		
14-04118-16	TRG	FEEBRIS02-2.022-023D	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Bismuth-214	LANL ER-130 Modified	1.51E+00	2.32E-01	2.44E-01	2.52E-01	1.21E-01	pCi/g	4/18/2014	398.65	60				16	BI-214		
14-04118-16	TRG	FEEBRIS02-2.022-023D	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Potassium-40	LANL ER-130 Modified	2.34E+01	2.87E+00	3.11E+00	4.45E+00	2.18E+00	pCi/g	4/18/2014	398.65	60				16	K-40		
14-04118-16	TRG	FEEBRIS02-2.022-023D	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Protactinium-231	LANL ER-130 Modified	-1.55E-01	1.66E+00	1.66E+00	2.67E+00	1.27E+00	pCi/g	4/18/2014	398.65	60				16	PA-231		
14-04118-16	TRG	FEEBRIS02-2.022-023D	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-210	LANL ER-130 Modified	2.69E+00	1.80E+00	1.80E+00	2.95E+00	1.45E+00	pCi/g	4/18/2014	398.65	60				16	PB-210		
14-04118-16	TRG	FEEBRIS02-2.022-023D	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-212	LANL ER-130 Modified	1.46E+00	1.85E-01	1.99E-01	2.67E-01	1.31E-01	pCi/g	4/18/2014	398.65	60				16	PB-212		
14-04118-16	TRG	FEEBRIS02-2.022-023D	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-214	LANL ER-130 Modified	1.74E+00	2.18E-01	2.35E-01	2.71E-01	1.31E-01	pCi/g	4/18/2014	398.65	60				16	PB-214		
14-04118-16	TRG	FEEBRIS02-2.022-023D	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Thallium-208	LANL ER-130 Modified	1.39E+00	2.99E-01	3.07E-01	5.17E-01	2.50E-01	pCi/g	4/18/2014	398.65	60				16	TL-208		

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:																
			Dan Feezor					SDG:		14-04118														
			Feezor Engineering, Inc.					Purchase Order:		BT-026-PO1														
			406 East Walnut Street					Analysis Category:		ENVIRONMENTAL														
			Chatham, IL 62629					Sample Matrix:		SO														
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	CV	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	
14-04118-17	TRG	FEEBRIS05-3.025-026	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Actinium-228	LANL ER-130 Modified	1.13E+00	1.93E-01	2.01E-01	4.72E-01	2.24E-01	pCi/g	4/18/2014	470.55	60				17	AC-228		
14-04118-17	TRG	FEEBRIS05-3.025-026	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Bismuth-214	LANL ER-130 Modified	1.28E+00	2.00E-01	2.11E-01	2.49E-01	1.19E-01	pCi/g	4/18/2014	470.55	60				17	BI-214		
14-04118-17	TRG	FEEBRIS05-3.025-026	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Potassium-40	LANL ER-130 Modified	1.61E+01	2.12E+00	2.28E+00	9.94E-01	4.54E-01	pCi/g	4/18/2014	470.55	60				17	K-40		
14-04118-17	TRG	FEEBRIS05-3.025-026	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Protactinium-231	LANL ER-130 Modified	-2.33E+00	2.18E+00	2.18E+00	2.36E+00	1.12E+00	pCi/g	4/18/2014	470.55	60				17	PA-231		
14-04118-17	TRG	FEEBRIS05-3.025-026	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-210	LANL ER-130 Modified	2.31E+00	9.30E-01	9.37E-01	1.56E+00	7.55E-01	pCi/g	4/18/2014	470.55	60				17	PB-210		
14-04118-17	TRG	FEEBRIS05-3.025-026	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-212	LANL ER-130 Modified	8.24E-01	1.26E-01	1.33E-01	2.38E-01	1.16E-01	pCi/g	4/18/2014	470.55	60				17	PB-212		
14-04118-17	TRG	FEEBRIS05-3.025-026	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-214	LANL ER-130 Modified	1.68E+00	1.88E-01	2.06E-01	2.55E-01	1.24E-01	pCi/g	4/18/2014	470.55	60				17	PB-214		
14-04118-17	TRG	FEEBRIS05-3.025-026	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Thallium-208	LANL ER-130 Modified	8.74E-01	1.67E-01	1.73E-01	1.53E-01	1.65E-01	pCi/g	4/18/2014	470.55	60				17	TL-208		
14-04118-18	TRG	FEEBRIS05-3.025-026D	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Actinium-228	LANL ER-130 Modified	1.09E+00	3.43E-01	3.48E-01	6.18E-01	2.93E-01	pCi/g	4/18/2014	428.16	60				18	AC-228		
14-04118-18	TRG	FEEBRIS05-3.025-026D	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Bismuth-214	LANL ER-130 Modified	5.32E+00	4.89E-01	5.60E-01	4.25E-01	2.05E-01	pCi/g	4/18/2014	428.16	60				18	BI-214		
14-04118-18	TRG	FEEBRIS05-3.025-026D	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Potassium-40	LANL ER-130 Modified	1.06E+01	2.10E+00	2.17E+00	2.13E+00	1.00E+00	pCi/g	4/18/2014	428.16	60				18	K-40		
14-04118-18	TRG	FEEBRIS05-3.025-026D	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Protactinium-231	LANL ER-130 Modified	3.90E-01	1.23E+00	1.23E+00	5.00E+00	2.43E+00	pCi/g	4/18/2014	428.16	60				18	PA-231		
14-04118-18	TRG	FEEBRIS05-3.025-026D	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-210	LANL ER-130 Modified	4.78E+00	2.65E+00	2.66E+00	4.30E+00	2.12E+00	pCi/g	4/18/2014	428.16	60				18	PB-210		
14-04118-18	TRG	FEEBRIS05-3.025-026D	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-212	LANL ER-130 Modified	9.93E-01	1.89E-01	1.96E-01	5.43E-01	2.69E-01	pCi/g	4/18/2014	428.16	60				18	PB-212		
14-04118-18	TRG	FEEBRIS05-3.025-026D	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-214	LANL ER-130 Modified	5.96E+00	4.87E-01	5.75E-01	3.26E-01	1.58E-01	pCi/g	4/18/2014	428.16	60				18	PB-214		
14-04118-18	TRG	FEEBRIS05-3.025-026D	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Thallium-208	LANL ER-130 Modified	6.11E-01	1.98E-01	2.00E-01	2.32E-01	2.72E-01	pCi/g	4/18/2014	428.16	60				18	TL-208		
14-04118-19	TRG	FEEBRIS08-1.044-045	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Actinium-228	LANL ER-130 Modified	1.43E+00	4.30E-01	4.36E-01	7.63E-01	3.59E-01	pCi/g	4/18/2014	605.24	60				19	AC-228		
14-04118-19	TRG	FEEBRIS08-1.044-045	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Bismuth-214	LANL ER-130 Modified	1.29E+00	2.75E-01	2.83E-01	4.18E-01	2.00E-01	pCi/g	4/18/2014	605.24	60				19	BI-214		
14-04118-19	TRG	FEEBRIS08-1.044-045	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Potassium-40	LANL ER-130 Modified	1.86E+01	2.95E+00	3.10E+00	1.52E+00	6.71E-01	pCi/g	4/18/2014	605.24	60				19	K-40		
14-04118-19	TRG	FEEBRIS08-1.044-045	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Protactinium-231	LANL ER-130 Modified	1.62E+00	3.38E+00	3.38E+00	4.75E+00	2.28E+00	pCi/g	4/18/2014	605.24	60				19	PA-231		
14-04118-19	TRG	FEEBRIS08-1.044-045	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-210	LANL ER-130 Modified	2.91E+00	1.86E+00	1.87E+00	3.06E+00	1.50E+00	pCi/g	4/18/2014	605.24	60				19	PB-210		
14-04118-19	TRG	FEEBRIS08-1.044-045	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-212	LANL ER-130 Modified	2.00E+00	3.55E-01	3.69E-01	3.88E-01	1.90E-01	pCi/g	4/18/2014	605.24	60				19	PB-212		
14-04118-19	TRG	FEEBRIS08-1.044-045	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Lead-214	LANL ER-130 Modified	9.76E-01	2.46E-01	2.51E-01	4.36E-01	2.11E-01	pCi/g	4/18/2014	605.24	60				19	PB-214		
14-04118-19	TRG	FEEBRIS08-1.044-045	04/13/14 00:00	4/17/2014	5/19/2014	14-04118	Thallium-208	LANL ER-130 Modified	1.60E+00	3.57E-01	3.66E-01	2.93E-01	3.39E-01	pCi/g	4/18/2014	605.24	60				19	TL-208		



FROM: Cecilia Greene

TO: Mr. Dan Feezor, Feezor Engineering

CC: Mr. Paul Rosasco

DATE: 06/06/2014

RE: Transmittal of Validated Results for Eberline Work Order 14-04118

Eberline Services of Oak Ridge, TN has completed their analysis of the Phase 1 subsurface soil samples in Eberline Work Order 14-04118. The validated results are summarized in Table 1.

The laboratory quality control samples were validated using MARLAP criteria. All laboratory control samples fell within acceptable control limits.

A complete verification of all of the laboratory calculations was performed. 98% of the calculated results were within $\pm 10\%$ of the laboratory results. We were unable to reproduce the results of 5 lead-210 results with the information supplied by the laboratory. This is probably due to complex spectral de-convoluting operations performed by the spectroscopy software.

A non-detect result (U qualifiers) is determined by considering the analytical result and its uncertainty vs. the critical value as supplied by the laboratory.

The low abundance of the gamma lines used to identify and quantify protactinium-231 and lead-210 resulted in numerous J and Q (Combined Standard Uncertainty > Required Method Uncertainty) qualifiers. This condition increased the counting and combined standard uncertainty, and the minimum detectable activity. This condition does not constitute a non-conformance to the measurement quality objectives.

The full laboratory Level IV report of analysis will be retained at Auxier & Associates offices in Knoxville, TN where it is available for inspection upon request. Should you require additional information or further clarification, please contact me or Mr. Michael Bollenbacher at (865) 675-3669.

Sincerely,

Cecilia H. Greene, MPH, NRRPT
Auxier & Associates, Inc.
9821 Cogdill Road, Suite 1
Knoxville, TN 37932

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Health Physics and Environmental Radiation Consulting
A USA Environment, L.P. Company

Sample ID	Uranium-234 (pCi/g)	Uranium-235 (pCi/g)	Uranium-238 (pCi/g)	Thorium-230 (pCi/g)	Thorium-232 (pCi/g)	Actinium-227 (pCi/g)
Analytical Method	EML U-02 Modified	EML U-02 Modified	EML U-02 Modified	EML Th-01 Modified	EML Th-01 Modified	EML Th-01 Modified
FEEBRIS01-2.008-009	0.47 ± 0.16 {-}	< 0.001 (0.04 ± 0.06) {U}	0.43 ± 0.15 {-}	0.68 ± 0.25 {-}	0.38 ± 0.17 {-}	0.13 ± 0.09 {-}
FEEBRIS01-2.018-019	0.40 ± 0.14 {-}	< 0.01 (0.05 ± 0.06) {U}	0.41 ± 0.14 {-}	0.62 ± 0.22 {-}	0.34 ± 0.15 {-}	0.12 ± 0.09 {-}
FEEBRIS01-2.020-021	0.46 ± 0.16 {-}	< 0.01 (0.01 ± 0.03) {U}	0.40 ± 0.15 {-}	0.84 ± 0.27 {-}	0.57 ± 0.20 {-}	0.07 ± 0.06 {-}
FEEBRIS01-2.022-023	0.15 ± 0.08 {-}	< 0.01 (0.00 ± 0.03) {U}	< 0.02 (0.06 ± 0.06) {U}	0.13 ± 0.08 {-}	< 0.06 (0.06 ± 0.06) {U}	0.06 ± 0.05 {-}
FEEBRIS01-2.023-024	0.44 ± 0.17 {-}	(0.10 ± 0.09) {-}	0.36 ± 0.16 {-}	0.94 ± 0.30 {-}	0.56 ± 0.21 {-}	< 0.01 (0.07 ± 0.07) {U}
FEEBRIS01-2.033-034	0.50 ± 0.15 {-}	< 0.003 (0.02 ± 0.03) {U}	0.30 ± 0.11 {-}	0.28 ± 0.12 {-}	< 0.06 (0.11 ± 0.07) {U}	0.08 ± 0.06 {-}
FEEBRIS01-2.038-039	0.31 ± 0.13 {-}	0.07 ± 0.06 {-}	0.26 ± 0.11 {-}	0.28 ± 0.13 {-}	0.29 ± 0.13 {-}	< 0.01 (0.07 ± 0.06) {U}
FEEBRIS01-2.038-039D	0.30 ± 0.12 {-}	0.16 ± 0.10 {-}	0.32 ± 0.13 {-}	0.40 ± 0.16 {-}	< 0.07 (0.13 ± 0.08) {U}	< 0.01 (0.05 ± 0.06) {U}
FEEBRIS01-2.040-041	0.17 ± 0.09 {-}	< 0.005 (0.07 ± 0.06) {U}	0.20 ± 0.10 {-}	< 0.02 (0.06 ± 0.06) {U}	< 0.07 (0.05 ± 0.05) {U}	< 0.02 (0.07 ± 0.07) {U}
FEEBRIS02-2.019-020	0.36 ± 0.12 {-}	< 0.002 (0.01 ± 0.02) {U}	0.31 ± 0.11 {-}	0.16 ± 0.08 {-}	< 0.07 (0.13 ± 0.08) {U}	< 0.01 (0.03 ± 0.04) {U}
FEEBRIS02-2.020-021	0.32 ± 0.13 {-}	0.07 ± 0.07 {-}	0.34 ± 0.13 {-}	0.66 ± 0.22 {-}	0.46 ± 0.17 {-}	0.09 ± 0.07 {-}
FEEBRIS02-2.022-023	0.39 ± 0.13 {-}	< 0.01 (0.06 ± 0.05) {U}	0.41 ± 0.13 {-}	0.69 ± 0.23 {-}	0.68 ± 0.22 {-}	0.11 ± 0.08 {-}
FEEBRIS02-2.022-023D	0.46 ± 0.16 {-}	< 0.01 (0.05 ± 0.06) {U}	0.43 ± 0.15 {-}	0.57 ± 0.19 {-}	0.44 ± 0.16 {-}	0.09 ± 0.07 {-}
FEEBRIS05-3.025-026	0.46 ± 0.14 {-}	0.10 ± 0.07 {-}	0.40 ± 0.13 {-}	4.63 ± 1.01 {-}	0.43 ± 0.15 {-}	< 0.01 (0.00 ± 0.02) {U}
FEEBRIS05-3.025-026D	0.65 ± 0.17 {-}	< 0.01 (0.06 ± 0.06) {U}	0.71 ± 0.18 {-}	88.92 ± 18.01 {-}	0.82 ± 0.25 {-}	0.68 ± 0.23 {-}
FEEBRIS08-1.044-045	0.57 ± 0.17 {-}	0.09 ± 0.07 {-}	0.47 ± 0.15 {-}	77.76 ± 16.93 {-}	0.48 ± 0.19 {-}	0.69 ± 0.25 {Q}
FEEBRISWL-119.001-002	0.61 ± 0.20 {-}	< 0.004 (0.01 ± 0.04) {U}	0.86 ± 0.25 {-}	0.45 ± 0.19 {-}	0.30 ± 0.14 {-}	< 0.002 (0.02 ± 0.04) {U}

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

- Validated, no qualifiers assigned

Sample ID	Protactinium-231 (pCi/g)	Radium-228 (pCi/g)	Radium-226 (pCi/g)	Lead-210 (pCi/g)	Potassium-40 (pCi/g)
Analytical Method	LANL 130 Modified	LANL 130 Modified	LANL 130 Modified	LANL 130 Modified	LANL 130 Modified
FEEBRIS01-2.008-009	< 1.11 (-4.33 ± 2.33) {UQJ}	1.31 ± 0.22 {J}	1.38 ± 0.20 {-}	< 1.23 (1.28 ± 1.50) {UQJ}	20.92 ± 2.82 {-}
FEEBRIS01-2.018-019	< 1.45 (0.16 ± 0.94) {UQJ}	1.34 ± 0.25 {-}	1.32 ± 0.20 {-}	< 1.00 (1.18 ± 1.24) {UQJ}	19.37 ± 2.82 {-}
FEEBRIS01-2.020-021	< 1.33 (0.59 ± 1.84) {UQJ}	1.05 ± 0.25 {-}	1.22 ± 0.22 {-}	< 0.98 (1.78 ± 1.20) {UQJ}	15.31 ± 2.29 {-}
FEEBRIS01-2.022-023	< 2.85 (-0.22 ± 3.70) {UQJ}	< 0.40 (0.44 ± 0.41) {UJ}	< 0.27 (0.23 ± 0.33) {UJ}	< 2.35 (4.28 ± 3.30) {UQJ}	4.26 ± 1.88 {-}
FEEBRIS01-2.023-024	< 2.61 (3.35 ± 3.71) {UQJ}	1.21 ± 0.43 {J}	1.35 ± 0.32 {-}	< 1.26 (1.51 ± 1.55) {UQJ}	15.34 ± 2.93 {J}
FEEBRIS01-2.033-034	< 0.79 (-1.14 ± 1.43) {UQJ}	< 0.16 (0.26 ± 0.19) {U}	0.62 ± 0.13 {-}	< 0.55 (1.09 ± 0.70) {UJ}	8.39 ± 1.34 {-}
FEEBRIS01-2.038-039	< 1.40 (2.48 ± 1.83) {UQJ}	0.95 ± 0.32 {J}	1.02 ± 0.19 {-}	< 0.94 (1.46 ± 1.15) {UQJ}	19.76 ± 2.84 {-}
FEEBRIS01-2.038-039D	< 2.26 (1.81 ± 3.29) {UQJ}	1.20 ± 0.42 {J}	1.05 ± 0.25 {-}	< 0.95 (1.64 ± 1.26) {UQJ}	19.21 ± 3.11 {-}
FEEBRIS01-2.040-041	< 0.71 (0.32 ± 0.88) {UQJ}	0.44 ± 0.17 {-}	0.39 ± 0.10 {-}	< 0.52 (0.78 ± 0.77) {UJ}	18.02 ± 2.26 {J}
FEEBRIS02-2.019-020	< 1.11 (-2.47 ± 2.15) {UQJ}	0.84 ± 0.27 {-}	0.96 ± 0.20 {-}	3.41 ± 1.67 {QJ}	12.91 ± 2.05 {-}
FEEBRIS02-2.020-021	< 1.98 (0.08 ± 2.83) {UQJ}	< 0.36 (0.66 ± 0.41) {UJ}	< 0.17 (0.32 ± 0.18) {U}	< 1.71 (2.31 ± 2.05) {UQJ}	4.43 ± 1.59 {-}
FEEBRIS02-2.022-023	< 2.54 (-3.82 ± 4.36) {UQJ}	1.54 ± 0.44 {J}	1.31 ± 0.37 {J}	< 1.22 (1.69 ± 1.67) {UQJ}	18.86 ± 3.46 {J}
FEEBRIS02-2.022-023D	< 1.27 (-0.15 ± 1.66) {UQJ}	1.33 ± 0.27 {J}	1.51 ± 0.24 {-}	< 1.45 (2.69 ± 1.80) {UQJ}	23.40 ± 3.11 {J}
FEEBRIS05-3.025-026	< 1.12 (-2.33 ± 2.18) {UQJ}	1.13 ± 0.20 {-}	1.28 ± 0.21 {-}	2.31 ± 0.94 {QJ}	16.11 ± 2.28 {-}
FEEBRIS05-3.025-026D	< 2.43 (0.39 ± 1.23) {UQJ}	1.09 ± 0.35 {J}	5.32 ± 0.56 {-}	< 2.12 (4.78 ± 2.66) {UQJ}	10.64 ± 2.17 {J}
FEEBRIS08-1.044-045	< 2.28 (1.62 ± 3.38) {UQJ}	1.43 ± 0.44 {J}	1.29 ± 0.28 {-}	< 1.50 (2.91 ± 1.87) {UQJ}	18.61 ± 3.10 {-}
FEEBRISWL-119.001-002	< 0.89 (0.64 ± 1.10) {UQJ}	0.77 ± 0.15 {-}	1.19 ± 0.18 {-}	< 0.68 (0.98 ± 0.85) {UJ}	9.36 ± 1.38 {-}

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty/Relative Standard Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

- Validated, no qualifiers assigned

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:															
			Dan Feezor					SDG:		14-04119													
			Feezor Engineering, Inc.					Purchase Order:		BT-026-PO1													
			406 East Walnut Street					Analysis Category:		ENVIRONMENTAL													
Chatham, IL 62629					Sample Matrix:		SO																
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	Background CPM
14-04119-02	MBL	BLANK	04/17/14 00:00	4/17/2014	4/23/2014	14-04119	Actinium-227	EML Th-01 Modified	9.15E-02	7.94E-02	8.02E-02	8.91E-02	pCi/g	4/21/2014	1	170	6.15		19	02	AC-227		0.0050
14-04119-03	DUP	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Actinium-227	EML Th-01 Modified	8.88E-02	7.49E-02	7.57E-02	7.93E-02	pCi/g	4/21/2014	1.052	170	6.32		16.9	03	AC-227		0.0040
14-04119-04	DO	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Actinium-227	EML Th-01 Modified	8.40E-02	6.70E-02	6.78E-02	6.03E-02	pCi/g	4/21/2014	1.052	170	6.66		19.3	04	AC-227		0.0020
14-04119-05	TRG	FEEBRISWL-119.009-010D	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Actinium-227	EML Th-01 Modified	8.55E-02	5.97E-02	6.07E-02	4.72E-02	pCi/g	4/21/2014	1.3	170	8.66		18.9	05	AC-227		0.0020
14-04119-06	TRG	FEEBRISWL-119.020-021	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Actinium-227	EML Th-01 Modified	6.91E-02	6.39E-02	6.45E-02	7.32E-02	pCi/g	4/21/2014	1.062	170	5.32		18.7	06	AC-227		0.0040
14-04119-07	TRG	FEEBRISWL-119.040-041	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Actinium-227	EML Th-01 Modified	5.26E-02	6.37E-02	6.40E-02	8.94E-02	pCi/g	4/21/2014	1.046	170	3.32		17.3	07	AC-227		0.0040
14-04119-08	TRG	FEEBRISWL-119.041-042	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Actinium-227	EML Th-01 Modified	5.44E-02	6.03E-02	6.07E-02	8.15E-02	pCi/g	4/21/2014	1.11	170	4		16.9	08	AC-227		0.0000
14-04119-01	LCS	KNOWN	04/17/14 00:00	4/17/2014	4/23/2014	14-04119	Thorium-230	EML Th-01 Modified	5.48E+00	1.48E-01			pCi/g	4/21/2014	1	170	438		18.2	01	TH-230	5.4775	0.0060
14-04119-01	LCS	SPIKE	04/17/14 00:00	4/17/2014	4/23/2014	14-04119	Thorium-230	EML Th-01 Modified	5.66E+00	8.59E-01	1.11E+00	8.14E-02	pCi/g	4/21/2014	1	170	438		18.2	01	TH-230	5.4775	0.0060
14-04119-02	MBL	BLANK	04/17/14 00:00	4/17/2014	4/23/2014	14-04119	Thorium-230	EML Th-01 Modified	1.28E-01	9.34E-02	9.47E-02	9.57E-02	pCi/g	4/21/2014	1	170	8.81		19	02	TH-230		0.0070
14-04119-03	DUP	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Thorium-230	EML Th-01 Modified	8.37E-01	2.53E-01	2.73E-01	8.22E-02	pCi/g	4/21/2014	1.052	170	61		16.9	03	TH-230		0.0000
14-04119-04	DO	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Thorium-230	EML Th-01 Modified	5.50E-01	1.84E-01	1.96E-01	5.88E-02	pCi/g	4/21/2014	1.052	170	44.7		19.3	04	TH-230		0.0020
14-04119-05	TRG	FEEBRISWL-119.009-010D	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Thorium-230	EML Th-01 Modified	5.84E-01	1.73E-01	1.88E-01	4.61E-02	pCi/g	4/21/2014	1.3	170	60.7		18.9	05	TH-230		0.0020
14-04119-06	TRG	FEEBRISWL-119.020-021	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Thorium-230	EML Th-01 Modified	4.88E-01	1.74E-01	1.84E-01	6.65E-02	pCi/g	4/21/2014	1.062	170	38.5		18.7	06	TH-230		0.0030
14-04119-07	TRG	FEEBRISWL-119.040-041	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Thorium-230	EML Th-01 Modified	3.09E-01	1.49E-01	1.54E-01	9.27E-02	pCi/g	4/21/2014	1.046	170	20		17.3	07	TH-230		0.0000
14-04119-08	TRG	FEEBRISWL-119.041-042	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Thorium-230	EML Th-01 Modified	6.35E-01	2.09E-01	2.23E-01	5.54E-02	pCi/g	4/21/2014	1.11	170	47.8		16.9	08	TH-230		0.0010
14-04119-01	LCS	KNOWN	04/17/14 00:00	4/17/2014	4/23/2014	14-04119	Thorium-232	EML Th-01 Modified	4.87E+00	1.75E-01			pCi/g	4/21/2014	1	170	402		18.2	01	TH-232	4.8655	0.0010
14-04119-01	LCS	SPIKE	04/17/14 00:00	4/17/2014	4/23/2014	14-04119	Thorium-232	EML Th-01 Modified	5.18E+00	7.99E-01	9.21E-01	5.38E-02	pCi/g	4/21/2014	1	170	402		18.2	01	TH-232	4.8655	0.0010
14-04119-02	MBL	BLANK	04/17/14 00:00	4/17/2014	4/23/2014	14-04119	Thorium-232	EML Th-01 Modified	2.60E-02	5.96E-02	5.97E-02	1.16E-01	pCi/g	4/21/2014	1	170	1.79		19	02	TH-232		0.0130
14-04119-03	DUP	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Thorium-232	EML Th-01 Modified	4.36E-01	1.70E-01	1.75E-01	9.02E-02	pCi/g	4/21/2014	1.052	170	31.8		16.9	03	TH-232		0.0070
14-04119-04	DO	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Thorium-232	EML Th-01 Modified	4.03E-01	1.52E-01	1.56E-01	5.13E-02	pCi/g	4/21/2014	1.052	170	32.8		19.3	04	TH-232		0.0010
14-04119-05	TRG	FEEBRISWL-119.009-010D	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Thorium-232	EML Th-01 Modified	5.19E-01	1.61E-01	1.68E-01	5.77E-02	pCi/g	4/21/2014	1.3	170	54		18.9	05	TH-232		0.0000
14-04119-06	TRG	FEEBRISWL-119.020-021	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Thorium-232	EML Th-01 Modified	4.24E-01	1.60E-01	1.64E-01	6.64E-02	pCi/g	4/21/2014	1.062	170	33.5		18.7	06	TH-232		0.0030
14-04119-07	TRG	FEEBRISWL-119.040-041	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Thorium-232	EML Th-01 Modified	1.31E-01	9.40E-02	9.47E-02	8.10E-02	pCi/g	4/21/2014	1.046	170	8.49		17.3	07	TH-232		0.0030
14-04119-08	TRG	FEEBRISWL-119.041-042	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Thorium-232	EML Th-01 Modified	5.67E-01	1.95E-01	2.01E-01	5.53E-02	pCi/g	4/21/2014	1.11	170	42.8		16.9	08	TH-232		0.0010

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:															
			Dan Feezor					SDG:	14-04119														
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1														
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL														
			Chatham, IL 62629					Sample Matrix:	SO														
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	Background CPM
14-04119-01	LCS	KNOWN	04/17/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-234	EML U-02 Modified	8.01E+00	2.88E-01			pCi/g	4/21/2014	1	170.02	444		13.9	01	U-234	8.0052	0.0070
14-04119-01	LCS	SPIKE	04/17/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-234	EML U-02 Modified	7.14E+00	1.08E+00	1.19E+00	1.06E-01	pCi/g	4/21/2014	1	170.02	444		13.9	01	U-234	8.0052	0.0070
14-04119-02	MBL	BLANK	04/17/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-234	EML U-02 Modified	4.83E-02	5.32E-02	5.33E-02	7.24E-02	pCi/g	4/21/2014	1	170	4		17.5	02	U-234		0.0000
14-04119-03	DUP	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-234	EML U-02 Modified	7.46E-01	1.97E-01	2.04E-01	4.73E-02	pCi/g	4/21/2014	1.052	170	65.8		18.2	03	U-234		0.0010
14-04119-04	DO	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-234	EML U-02 Modified	7.62E-01	2.02E-01	2.09E-01	5.55E-02	pCi/g	4/21/2014	1.052	170	65.7		17	04	U-234		0.0020
14-04119-05	TRG	FEEBRISWL-119.009-010D	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-234	EML U-02 Modified	5.78E-01	1.67E-01	1.72E-01	5.06E-02	pCi/g	4/21/2014	1.3	170	54.7		18.1	05	U-234		0.0020
14-04119-06	TRG	FEEBRISWL-119.020-021	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-234	EML U-02 Modified	3.06E-01	1.19E-01	1.21E-01	6.54E-02	pCi/g	4/21/2014	1.062	170	28		16.3	06	U-234		0.0000
14-04119-07	TRG	FEEBRISWL-119.040-041	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-234	EML U-02 Modified	2.18E-01	1.05E-01	1.07E-01	5.90E-02	pCi/g	4/21/2014	1.046	170	17.7		15.9	07	U-234		0.0020
14-04119-08	TRG	FEEBRISWL-119.041-042	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-234	EML U-02 Modified	4.21E-01	1.42E-01	1.45E-01	6.19E-02	pCi/g	4/21/2014	1.11	170	38.3		18.5	08	U-234		0.0040
14-04119-01	LCS	SPIKE	04/17/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-235	EML U-02 Modified	5.42E-01	2.16E-01	2.20E-01	1.12E-01	pCi/g	4/21/2014	1	170.02	27.3		13.9	01	U-235		0.0040
14-04119-02	MBL	BLANK	04/17/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-235	EML U-02 Modified	-2.53E-03	2.96E-02	2.96E-02	6.22E-02	pCi/g	4/21/2014	1	170	-0.17		17.5	02	U-235		0.0010
14-04119-03	DUP	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-235	EML U-02 Modified	5.59E-02	6.16E-02	6.17E-02	8.38E-02	pCi/g	4/21/2014	1.052	170	4		18.2	03	U-235		0.0000
14-04119-04	DO	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-235	EML U-02 Modified	2.86E-02	4.87E-02	4.87E-02	8.58E-02	pCi/g	4/21/2014	1.052	170	2		17	04	U-235		0.0000
14-04119-05	TRG	FEEBRISWL-119.009-010D	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-235	EML U-02 Modified	1.08E-02	2.60E-02	2.60E-02	5.45E-02	pCi/g	4/21/2014	1.3	170	0.83		18.1	05	U-235		0.0010
14-04119-06	TRG	FEEBRISWL-119.020-021	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-235	EML U-02 Modified	2.69E-02	4.58E-02	4.58E-02	8.07E-02	pCi/g	4/21/2014	1.062	170	2		16.3	06	U-235		0.0000
14-04119-07	TRG	FEEBRISWL-119.040-041	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-235	EML U-02 Modified	9.13E-02	7.95E-02	7.98E-02	9.12E-02	pCi/g	4/21/2014	1.046	170	6		15.9	07	U-235		0.0000
14-04119-08	TRG	FEEBRISWL-119.041-042	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-235	EML U-02 Modified	1.10E-01	8.12E-02	8.15E-02	8.11E-02	pCi/g	4/21/2014	1.11	170	8.15		18.5	08	U-235		0.0050
14-04119-01	LCS	KNOWN	04/17/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-238	EML U-02 Modified	7.80E+00	2.81E-01			pCi/g	4/21/2014	1	170.02	476		13.9	01	U-238	7.8030	0.0210
14-04119-01	LCS	SPIKE	04/17/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-238	EML U-02 Modified	7.63E+00	1.14E+00	1.26E+00	1.51E-01	pCi/g	4/21/2014	1	170.02	476		13.9	01	U-238	7.8030	0.0210
14-04119-02	MBL	BLANK	04/17/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-238	EML U-02 Modified	2.00E-02	3.39E-02	3.39E-02	5.75E-02	pCi/g	4/21/2014	1	170	1.66		17.5	02	U-238		0.0020
14-04119-03	DUP	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-238	EML U-02 Modified	8.90E-01	2.18E-01	2.27E-01	4.71E-02	pCi/g	4/21/2014	1.052	170	78.8		18.2	03	U-238		0.0010
14-04119-04	DO	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-238	EML U-02 Modified	8.06E-01	2.08E-01	2.16E-01	4.82E-02	pCi/g	4/21/2014	1.052	170	69.8		17	04	U-238		0.0010
14-04119-05	TRG	FEEBRISWL-119.009-010D	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-238	EML U-02 Modified	4.85E-01	1.52E-01	1.55E-01	6.32E-02	pCi/g	4/21/2014	1.3	170	46		18.1	05	U-238		0.0000
14-04119-06	TRG	FEEBRISWL-119.020-021	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-238	EML U-02 Modified	4.74E-01	1.50E-01	1.53E-01	5.19E-02	pCi/g	4/21/2014	1.062	170	43.7		16.3	06	U-238		0.0020
14-04119-07	TRG	FEEBRISWL-119.040-041	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-238	EML U-02 Modified	1.21E-01	7.73E-02	7.78E-02	5.12E-02	pCi/g	4/21/2014	1.046	170	9.83		15.9	07	U-238		0.0010
14-04119-08	TRG	FEEBRISWL-119.041-042	04/14/14 00:00	4/17/2014	4/23/2014	14-04119	Uranium-238	EML U-02 Modified	4.77E-01	1.51E-01	1.55E-01	5.23E-02	pCi/g	4/21/2014	1.11	170	43.7		18.5	08	U-238		0.0020

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:																
			Dan Feezor Feezor Engineering, Inc. 406 East Walnut Street Chatham, IL 62629					SDG:		14-04119														
								Purchase Order:																
								Analysis Category:																
					Sample Matrix:		SO																	
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	CV	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	Background CPM
14-04119-01	LCS	KNOWN	04/17/14 00:00	4/17/2014	5/19/2014	14-04119	Cobalt-60	LANL ER-130 Modified	1.30E+02	5.22E+00				pCi/g	4/18/2014	1	30				01	CO-60	130.4300	0.0000
14-04119-01	LCS	KNOWN	04/17/14 00:00	4/17/2014	5/19/2014	14-04119	Cesium-137	LANL ER-130 Modified	8.30E+01	3.32E+00				pCi/g	4/18/2014	1	30				01	CS-137	82.9600	0.0000
14-04119-01	LCS	SPIKE	04/17/14 00:00	4/17/2014	5/19/2014	14-04119	Cobalt-60	LANL ER-130 Modified	1.36E+02	8.94E+00	1.14E+01	1.48E+00	1.42E+00	pCi/g	4/18/2014	1	30				01	CO-60	130.4300	0.0000
14-04119-01	LCS	SPIKE	04/17/14 00:00	4/17/2014	5/19/2014	14-04119	Cesium-137	LANL ER-130 Modified	9.00E+01	8.31E+00	9.51E+00	2.02E+00	1.00E+00	pCi/g	4/18/2014	1	30				01	CS-137	82.9600	0.0000
14-04119-02	MBL	BLANK	04/17/14 00:00	4/17/2014	5/19/2014	14-04119	Actinium-228	LANL ER-130 Modified	1.06E-01	1.39E-01	1.39E-01	2.78E-01	1.22E-01	pCi/g	4/18/2014	1	60				02	AC-228		0.0000
14-04119-02	MBL	BLANK	04/17/14 00:00	4/17/2014	5/19/2014	14-04119	Bismuth-214	LANL ER-130 Modified	-1.89E-02	8.73E-02	8.73E-02	1.40E-01	6.28E-02	pCi/g	4/18/2014	1	60				02	BI-214		0.0000
14-04119-02	MBL	BLANK	04/17/14 00:00	4/17/2014	5/19/2014	14-04119	Potassium-40	LANL ER-130 Modified	2.78E-01	3.93E-01	3.93E-01	8.39E-01	3.51E-01	pCi/g	4/18/2014	1	60				02	K-40		0.0000
14-04119-02	MBL	BLANK	04/17/14 00:00	4/17/2014	5/19/2014	14-04119	Protactinium-231	LANL ER-130 Modified	3.94E-01	1.36E+00	1.36E+00	2.01E+00	9.33E-01	pCi/g	4/18/2014	1	60				02	PA-231		0.0000
14-04119-02	MBL	BLANK	04/17/14 00:00	4/17/2014	5/19/2014	14-04119	Lead-210	LANL ER-130 Modified	4.54E-01	4.97E-01	4.97E-01	7.99E-01	3.80E-01	pCi/g	4/18/2014	1	60				02	PB-210		0.0000
14-04119-02	MBL	BLANK	04/17/14 00:00	4/17/2014	5/19/2014	14-04119	Lead-214	LANL ER-130 Modified	4.08E-03	9.26E-02	9.26E-02	1.28E-01	5.88E-02	pCi/g	4/18/2014	1	60				02	PB-214		0.0000
14-04119-03	DUP	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Actinium-228	LANL ER-130 Modified	1.02E+00	2.04E-01	2.10E-01	3.94E-01	1.87E-01	pCi/g	4/18/2014	500.92	60				03	AC-228		0.0000
14-04119-03	DUP	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Bismuth-214	LANL ER-130 Modified	1.44E+00	2.13E-01	2.25E-01	2.27E-01	1.09E-01	pCi/g	4/18/2014	500.92	60				03	BI-214		0.0000
14-04119-03	DUP	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Potassium-40	LANL ER-130 Modified	1.95E+01	2.31E+00	2.52E+00	9.63E-01	4.44E-01	pCi/g	4/18/2014	500.92	60				03	K-40		0.0000
14-04119-03	DUP	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Protactinium-231	LANL ER-130 Modified	6.73E-01	1.46E+00	1.46E+00	2.38E+00	1.14E+00	pCi/g	4/18/2014	500.92	60				03	PA-231		0.0000
14-04119-03	DUP	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Lead-210	LANL ER-130 Modified	1.83E+00	1.23E+00	1.23E+00	2.01E+00	9.83E-01	pCi/g	4/18/2014	500.92	60				03	PB-210		0.0000
14-04119-03	DUP	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Lead-212	LANL ER-130 Modified	1.28E+00	1.56E-01	1.69E-01	3.02E-01	1.49E-01	pCi/g	4/18/2014	500.92	60				03	PB-212		0.0000
14-04119-03	DUP	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Lead-214	LANL ER-130 Modified	1.50E+00	1.68E-01	1.84E-01	2.42E-01	1.17E-01	pCi/g	4/18/2014	500.92	60				03	PB-214		0.0000
14-04119-03	DUP	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Thallium-208	LANL ER-130 Modified	1.04E+00	2.66E-01	2.72E-01	3.65E-01	1.76E-01	pCi/g	4/18/2014	500.92	60				03	TL-208		0.0000
14-04119-04	DO	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Actinium-228	LANL ER-130 Modified	1.26E+00	2.69E-01	2.76E-01	5.28E-01	2.54E-01	pCi/g	4/18/2014	500.95	60				04	AC-228		0.0000
14-04119-04	DO	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Bismuth-214	LANL ER-130 Modified	1.31E+00	1.97E-01	2.08E-01	2.13E-01	1.02E-01	pCi/g	4/18/2014	500.95	60				04	BI-214		0.0000
14-04119-04	DO	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Potassium-40	LANL ER-130 Modified	1.96E+01	2.30E+00	2.51E+00	7.98E-01	3.62E-01	pCi/g	4/18/2014	500.95	60				04	K-40		0.0000
14-04119-04	DO	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Protactinium-231	LANL ER-130 Modified	-6.24E-01	1.52E+00	1.52E+00	2.34E+00	1.12E+00	pCi/g	4/18/2014	500.95	60				04	PA-231		0.0000
14-04119-04	DO	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Lead-210	LANL ER-130 Modified	1.44E+00	9.44E-01	9.47E-01	1.54E+00	7.46E-01	pCi/g	4/18/2014	500.95	60				04	PB-210		0.0000
14-04119-04	DO	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Lead-212	LANL ER-130 Modified	1.23E+00	1.53E-01	1.66E-01	2.94E-01	1.45E-01	pCi/g	4/18/2014	500.95	60				04	PB-212		0.0000
14-04119-04	DO	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Lead-214	LANL ER-130 Modified	1.46E+00	1.71E-01	1.86E-01	2.66E-01	1.30E-01	pCi/g	4/18/2014	500.95	60				04	PB-214		0.0000
14-04119-04	DO	FEEBRISWL-119.009-010	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Thallium-208	LANL ER-130 Modified	1.20E+00	2.63E-01	2.70E-01	3.16E-01	1.52E-01	pCi/g	4/18/2014	500.95	60				04	TL-208		0.0000

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								Purchase Order:																
								Analysis Category:																
					Sample Matrix:		SO																	
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	CV	Report Units	Aliquot Date	Aliquot Net Equiv	Count Time	Counts	Effective Efficiency	% Eff	Fraction	Isotope	Known LCS	Background CPM
14-04119-05	TRG	FEEBRISWL-119.009-010D	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Actinium-228	LANL ER-130 Modified	1.32E+00	2.29E-01	2.39E-01	4.15E-01	1.96E-01	pCi/g	4/18/2014	476.02	60				05	AC-228		0.0000
14-04119-05	TRG	FEEBRISWL-119.009-010D	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Bismuth-214	LANL ER-130 Modified	1.41E+00	2.00E-01	2.13E-01	2.44E-01	1.17E-01	pCi/g	4/18/2014	476.02	60				05	BI-214		0.0000
14-04119-05	TRG	FEEBRISWL-119.009-010D	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Potassium-40	LANL ER-130 Modified	1.87E+01	2.37E+00	2.56E+00	1.10E+00	5.09E-01	pCi/g	4/18/2014	476.02	60				05	K-40		0.0000
14-04119-05	TRG	FEEBRISWL-119.009-010D	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Protactinium-231	LANL ER-130 Modified	5.53E-01	9.66E-01	9.67E-01	2.61E+00	1.25E+00	pCi/g	4/18/2014	476.02	60				05	PA-231		0.0000
14-04119-05	TRG	FEEBRISWL-119.009-010D	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Lead-210	LANL ER-130 Modified	1.22E+00	1.29E+00	1.30E+00	2.16E+00	1.06E+00	pCi/g	4/18/2014	476.02	60				05	PB-210		0.0000
14-04119-05	TRG	FEEBRISWL-119.009-010D	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Lead-212	LANL ER-130 Modified	1.74E+00	2.34E-01	2.51E-01	2.58E-01	1.26E-01	pCi/g	4/18/2014	476.02	60				05	PB-212		0.0000
14-04119-05	TRG	FEEBRISWL-119.009-010D	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Lead-214	LANL ER-130 Modified	1.36E+00	2.10E-01	2.21E-01	2.58E-01	1.25E-01	pCi/g	4/18/2014	476.02	60				05	PB-214		0.0000
14-04119-05	TRG	FEEBRISWL-119.009-010D	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Thallium-208	LANL ER-130 Modified	1.13E+00	2.00E-01	2.08E-01	2.06E-01	1.86E-01	pCi/g	4/18/2014	476.02	60				05	TL-208		0.0000
14-04119-06	TRG	FEEBRISWL-119.020-021	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Actinium-228	LANL ER-130 Modified	1.11E+00	2.30E-01	2.37E-01	4.94E-01	2.34E-01	pCi/g	4/18/2014	544.98	60				06	AC-228		0.0000
14-04119-06	TRG	FEEBRISWL-119.020-021	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Bismuth-214	LANL ER-130 Modified	1.08E+00	1.82E-01	1.90E-01	2.82E-01	1.35E-01	pCi/g	4/18/2014	544.98	60				06	BI-214		0.0000
14-04119-06	TRG	FEEBRISWL-119.020-021	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Potassium-40	LANL ER-130 Modified	1.65E+01	2.35E+00	2.50E+00	1.36E+00	6.33E-01	pCi/g	4/18/2014	544.98	60				06	K-40		0.0000
14-04119-06	TRG	FEEBRISWL-119.020-021	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Protactinium-231	LANL ER-130 Modified	1.21E+00	1.87E+00	1.87E+00	2.86E+00	1.37E+00	pCi/g	4/18/2014	544.98	60				06	PA-231		0.0000
14-04119-06	TRG	FEEBRISWL-119.020-021	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Lead-210	LANL ER-130 Modified	1.29E+00	1.16E+00	1.16E+00	1.94E+00	9.45E-01	pCi/g	4/18/2014	544.98	60				06	PB-210		0.0000
14-04119-06	TRG	FEEBRISWL-119.020-021	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Lead-212	LANL ER-130 Modified	1.09E+00	1.46E-01	1.57E-01	2.12E-01	1.03E-01	pCi/g	4/18/2014	544.98	60				06	PB-212		0.0000
14-04119-06	TRG	FEEBRISWL-119.020-021	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Lead-214	LANL ER-130 Modified	1.23E+00	1.53E-01	1.65E-01	1.80E-01	8.59E-02	pCi/g	4/18/2014	544.98	60				06	PB-214		0.0000
14-04119-06	TRG	FEEBRISWL-119.020-021	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Thallium-208	LANL ER-130 Modified	9.96E-01	1.84E-01	1.91E-01	3.98E-02	1.66E-01	pCi/g	4/18/2014	544.98	60				06	TL-208		0.0000
14-04119-07	TRG	FEEBRISWL-119.040-041	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Actinium-228	LANL ER-130 Modified	8.78E-01	2.19E-01	2.24E-01	4.14E-01	1.89E-01	pCi/g	4/18/2014	306.39	60				07	AC-228		0.0000
14-04119-07	TRG	FEEBRISWL-119.040-041	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Bismuth-214	LANL ER-130 Modified	5.09E-01	1.65E-01	1.67E-01	3.09E-01	1.46E-01	pCi/g	4/18/2014	306.39	60				07	BI-214		0.0000
14-04119-07	TRG	FEEBRISWL-119.040-041	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Potassium-40	LANL ER-130 Modified	4.08E+00	1.01E+00	1.03E+00	6.87E-01	2.77E-01	pCi/g	4/18/2014	306.39	60				07	K-40		0.0000
14-04119-07	TRG	FEEBRISWL-119.040-041	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Protactinium-231	LANL ER-130 Modified	2.73E-01	1.19E+00	1.19E+00	2.45E+00	1.13E+00	pCi/g	4/18/2014	306.39	60				07	PA-231		0.0000
14-04119-07	TRG	FEEBRISWL-119.040-041	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Lead-210	LANL ER-130 Modified	2.18E+00	1.00E+00	1.01E+00	1.72E+00	8.25E-01	pCi/g	4/18/2014	306.39	60				07	PB-210		0.0000
14-04119-07	TRG	FEEBRISWL-119.040-041	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Lead-212	LANL ER-130 Modified	6.98E-01	1.29E-01	1.34E-01	3.15E-01	1.53E-01	pCi/g	4/18/2014	306.39	60				07	PB-212		0.0000
14-04119-07	TRG	FEEBRISWL-119.040-041	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Lead-214	LANL ER-130 Modified	4.26E-01	1.70E-01	1.71E-01	2.92E-01	1.39E-01	pCi/g	4/18/2014	306.39	60				07	PB-214		0.0000
14-04119-07	TRG	FEEBRISWL-119.040-041	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Thallium-208	LANL ER-130 Modified	4.46E-01	1.77E-01	1.79E-01	2.95E-01	2.05E-01	pCi/g	4/18/2014	306.39	60				07	TL-208		0.0000
14-04119-08	TRG	FEEBRISWL-119.041-042	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Actinium-228	LANL ER-130 Modified	1.24E+00	2.55E-01	2.63E-01	7.55E-01	3.63E-01	pCi/g	4/18/2014	441.85	60				08	AC-228		0.0000
14-04119-08	TRG	FEEBRISWL-119.041-042	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Bismuth-214	LANL ER-130 Modified	1.39E+00	2.15E-01	2.27E-01	2.76E-01	1.32E-01	pCi/g	4/18/2014	441.85	60				08	BI-214		0.0000
14-04119-08	TRG	FEEBRISWL-119.041-042	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Potassium-40	LANL ER-130 Modified	2.36E+01	3.11E+00	3.34E+00	9.07E-01	3.93E-01	pCi/g	4/18/2014	441.85	60				08	K-40		0.0000
14-04119-08	TRG	FEEBRISWL-119.041-042	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Protactinium-231	LANL ER-130 Modified	-2.88E-01	1.04E+00	1.04E+00	3.25E+00	1.55E+00	pCi/g	4/18/2014	441.85	60				08	PA-231		0.0000
14-04119-08	TRG	FEEBRISWL-119.041-042	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Lead-210	LANL ER-130 Modified	2.80E+00	1.79E+00	1.79E+00	2.90E+00	1.42E+00	pCi/g	4/18/2014	441.85	60				08	PB-210		0.0000
14-04119-08	TRG	FEEBRISWL-119.041-042	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Lead-212	LANL ER-130 Modified	1.47E+00	1.88E-01	2.03E-01	2.93E-01	1.44E-01	pCi/g	4/18/2014	441.85	60				08	PB-212		0.0000
14-04119-08	TRG	FEEBRISWL-119.041-042	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Lead-214	LANL ER-130 Modified	1.19E+00	1.75E-01	1.85E-01	2.84E-01	1.37E-01	pCi/g	4/18/2014	441.85	60				08	PB-214		0.0000
14-04119-08	TRG	FEEBRISWL-119.041-042	04/14/14 00:00	4/17/2014	5/19/2014	14-04119	Thallium-208	LANL ER-130 Modified	1.22E+00	2.14E-01	2.23E-01	2.70E-01	4.96E-01	pCi/g	4/18/2014	441.85	60				08	TL-208		0.0000



FROM: Cecilia Greene

TO: Mr. Dan Feezor, Feezor Engineering

CC: Mr. Paul Rosasco

DATE: 06/06/2014

RE: Transmittal of Validated Results for Eberline Work Order 14-04119

Eberline Services of Oak Ridge, TN has completed their analysis of the Phase 1 subsurface soil samples in Eberline Work Order 14-04119. The validated results are summarized in Table 1.

The laboratory quality control samples were validated using MARLAP criteria. All laboratory control samples fell within acceptable control limits.

A complete verification of all of the laboratory calculations was performed. 97% of the calculated results were within $\pm 10\%$ of the laboratory results. We were unable to reproduce the results of 3 lead-210 results with the information supplied by the laboratory. This is probably due to complex spectral de-convoluting operations performed by the spectroscopy software.

A non-detect result (U qualifiers) is determined by considering the analytical result and its uncertainty vs. the critical value as supplied by the laboratory.

The low abundance of the gamma lines used to identify and quantify protactinium-231 and lead-210 resulted in numerous J and Q (Combined Standard Uncertainty > Required Method Uncertainty) qualifiers. This condition increased the counting and combined standard uncertainty, and the minimum detectable activity. This condition does not constitute a non-conformance to the measurement quality objectives.

The full laboratory Level IV report of analysis will be retained at Auxier & Associates offices in Knoxville, TN where it is available for inspection upon request. Should you require additional information or further clarification, please contact me or Mr. Michael Bollenbacher at (865) 675-3669.

Sincerely,

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A USA Environment, L.P. Company

Sample ID	Uranium-234 (pCi/g)	Uranium-235 (pCi/g)	Uranium-238 (pCi/g)	Thorium-230 (pCi/g)	Thorium-232 (pCi/g)	Actinium-227 (pCi/g)
Analytical Method	EML U-02 Modified	EML U-02 Modified	EML U-02 Modified	EML Th-01 Modified	EML Th-01 Modified	EML Th-01 Modified
FEEBRISWL-119.009-010	0.76 ± 0.21 {-}	< 0.001 (0.03 ± 0.05) {U}	0.81 ± 0.22 {-}	0.55 ± 0.20 {-}	0.40 ± 0.16 {-}	0.08 ± 0.07 {-}
FEEBRISWL-119.009-010D	0.58 ± 0.17 {-}	< 0.003 (0.01 ± 0.03) {U}	0.48 ± 0.16 {-}	0.58 ± 0.19 {-}	0.52 ± 0.17 {-}	0.09 ± 0.06 {-}
FEEBRISWL-119.020-021	0.31 ± 0.12 {-}	< 0.001 (0.03 ± 0.05) {U}	0.47 ± 0.15 {-}	0.49 ± 0.18 {-}	0.42 ± 0.16 {-}	< 0.01 (0.07 ± 0.06) {U}
FEEBRISWL-119.040-041	0.22 ± 0.11 {-}	0.09 ± 0.08 {-}	0.12 ± 0.08 {-}	0.31 ± 0.15 {-}	< 0.09 (0.13 ± 0.09) {U}	< 0.01 (0.05 ± 0.06) {U}
FEEBRISWL-119.041-042	0.42 ± 0.15 {-}	0.11 ± 0.08 {-}	0.48 ± 0.15 {-}	0.63 ± 0.22 {-}	0.57 ± 0.20 {-}	< 0.001 (0.05 ± 0.06) {U}

U - Result is less than the Critical Value
 Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty
 J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result
 - Validated, no qualifiers assigned

Sample ID	Protactinium-231 (pCi/g)	Radium-228 (pCi/g)	Radium-226 (pCi/g)	Lead-210 (pCi/g)	Potassium-40 (pCi/g)
Analytical Method	LANL 130 Modified	LANL 130 Modified	LANL 130 Modified	LANL 130 Modified	LANL 130 Modified
FEEBRISWL-119.009-010	< 1.12 (-0.62 ± 1.52) {UQJ}	1.26 ± 0.28 {J}	1.31 ± 0.21 {-}	< 0.75 (1.44 ± 0.95) {UQJ}	19.55 ± 2.51 {-}
FEEBRISWL-119.009-010D	< 1.25 (0.55 ± 0.97) {UQJ}	1.32 ± 0.24 {-}	1.41 ± 0.21 {-}	< 1.06 (1.22 ± 1.30) {UQJ}	18.66 ± 2.56 {-}
FEEBRISWL-119.020-021	< 1.37 (1.21 ± 1.87) {UQJ}	1.11 ± 0.24 {-}	1.08 ± 0.19 {-}	< 0.95 (1.29 ± 1.16) {UQJ}	16.52 ± 2.50 {-}
FEEBRISWL-119.040-041	< 1.13 (0.27 ± 1.19) {UQJ}	0.88 ± 0.22 {-}	0.51 ± 0.17 {-}	2.18 ± 1.01 {QJ}	4.08 ± 1.03 {-}
FEEBRISWL-119.041-042	< 1.55 (-0.29 ± 1.04) {UQJ}	1.24 ± 0.26 {J}	1.39 ± 0.23 {-}	< 1.42 (2.80 ± 1.79) {UQJ}	23.61 ± 3.34 {-}

U - Result is less than the Critical Value


Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty/Relative Standard Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

- Validated, no qualifiers assigned

APPENDIX F

HEALTH AND SAFETY AIR SAMPLING RESULTS

			Sample Data - Air - West Lake Project									
Sample Group Number	Sampling Technology	Date Sample Collected	Location	Sample Identification Number	Sample Type	Sample Depth Description	Date Sample Delivered (by Auxier & Associates) to FedEx	FedEx Tracking Number	Date Sample Delivered (by FedEx) to Eberline Analytical	Eberline Work Order Number	Date Sample Results Received from Eberline	Date Sample Validation Received from Auxier
5		12/20/2013	Outside Transfer Station	Outside Transfer Stn 12/20/13	air	N/A	2/27/2014	804549896835	3/3/2014	14-03007 & 14-3007 Supplemental	3/14/2014 & 7/15/14	7/23/2014
5		12/20/2013	Outside Office Trailer	Outside Office Trailer 12/20/13	air	N/A	2/27/2014	804549896835	3/3/2014	14-03007 & 14-3007 Supplemental	3/14/2014 & 7/15/14	7/23/2014
5		1/10/2014	Outside Office Trailer	Outside Office Trailer 1/10/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03007 & 14-3007 Supplemental	3/14/2014 & 7/15/14	7/23/2014
5		1/28/2014	Outside Office Trailer	Outside Office Trailer 1/28/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03007 & 14-3007 Supplemental	3/14/2014 & 7/15/14	7/23/2014
5		1/10/2014	Outside Transfer Station	Outside Transfer Stn 1/10/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03007 & 14-3007 Supplemental	3/14/2014 & 7/15/14	7/23/2014
5		1/28/2014	Outside Transfer Station	Outside Transfer Stn 1/28/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03007 & 14-3007 Supplemental	3/14/2014 & 7/15/14	7/23/2014
5		1/3/2014		A. Luna 1/3/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03007 & 14-3007 Supplemental	3/14/2014 & 7/15/14	7/23/2014
5		1/14/2013		A. Luna 1/14/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03007 & 14-3007 Supplemental	3/14/2014 & 7/15/14	7/23/2014
5		1/15/2014		A. Luna 1/15/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03007 & 14-3007 Supplemental	3/14/2014 & 7/15/14	7/23/2014
5		1/16/2014		A. Luna 1/16/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03007 & 14-3007 Supplemental	3/14/2014 & 7/15/14	7/23/2014
5		1/17/2014		A. Luna 1/17/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03007 & 14-3007 Supplemental	3/14/2014 & 7/15/14	7/23/2014
5		1/18/2014		A. Luna 1/18/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03007 & 14-3007 Supplemental	3/14/2014 & 7/15/14	7/23/2014
6		1/19/2014		A. Luna 1/19/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03008 & 14-03008 Supplemental	3/14/2014 & 7/15/14	7/23/2014
6		1/20/2014		A. Luna 1/20/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03008 & 14-03008 Supplemental	3/14/2014 & 7/15/14	7/23/2014
6		1/29/2014		A. Luna 1/29/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03008 & 14-03008 Supplemental	3/14/2014 & 7/15/14	7/23/2014
6		1/30/2014		A. Luna 1/30/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03008 & 14-03008 Supplemental	3/14/2014 & 7/15/14	7/23/2014
6		1/31/2014		A. Luna 1/31/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03008 & 14-03008 Supplemental	3/14/2014 & 7/15/14	7/23/2014
6		2/2/2014		A. Luna 2/2/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03008 & 14-03008 Supplemental	3/14/2014 & 7/15/14	7/23/2014
6		1/29/2014		Conetec Rig 1/29/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03008 & 14-03008 Supplemental	3/14/2014 & 7/15/14	7/23/2014
6		1/30/2014		Conetec Rig 1/30/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03008 & 14-03008 Supplemental	3/14/2014 & 7/15/14	7/23/2014
6		2/3/2014		Conetec Rig 2/3/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03008 & 14-03008 Supplemental	3/14/2014 & 7/15/14	7/23/2014
6		2/4/2014		Conetec Rig 2/4/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03008 & 14-03008 Supplemental	3/14/2014 & 7/15/14	7/23/2014
6		2/5/2014		Conetec Rig 2/5/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03008 & 14-03008 Supplemental	3/14/2014 & 7/15/14	7/23/2014

6		2/6/2014		Conetec Rig 2/6/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03008 & 14-03008 Supplemental	3/14/2014 & 7/15/14	7/23/2014
7		1/3/2014		HI_VOL 2981 1/3/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03009	3/14/2014	7/23/2014
7		1/14/2014		HI_VOL 2982 1/14/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03009	3/14/2014	7/23/2014
7		1/15/2014		HI_VOL 2983 1/15/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03009	3/14/2014	7/23/2014
7		1/16/2014		HI_VOL 2984 1/16/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03009	3/14/2014	7/23/2014
7		1/17/2014		HI_VOL 2985 1/17/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03009	3/14/2014	7/23/2014
7		1/18/2014		HI_VOL 2986 1/18/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03009	3/14/2014	7/23/2014
7		1/19/2014		HI_VOL 2987 1/19/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03009	3/14/2014	7/23/2014
7		1/20/2014		HI_VOL 2988 1/20/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03009	3/14/2014	7/23/2014
7		1/29/2014		HI_VOL 2989 1/29/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03009	3/14/2014	7/23/2014
7		1/30/2014		HI_VOL 2990 1/30/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03009	3/14/2014	7/23/2014
7		1/31/2014		HI_VOL 2991 1/31/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03009	3/14/2014	7/23/2014
7		2/2/2014		HI_VOL 2992 2/2/14	air	N/A	2/27/2014	804549896835	3/3/2014	14-03009	3/14/2014	7/23/2014
11		11/16/2013	Drill Rig - Outside	Air Filter - 1	air	N/A	4/9/2014 (Auxier delivered samples to Eberline Services)	N/A	4/9/2014 (Auxier delivered samples to Eberline Services)	14-04065 (14-04065 Rev.)	4/25/14 (7/31/14)	7/23/2014
11		11/20/2013	Drill Rig - Outside	Air Filter - 2	air	N/A	4/9/2014	N/A	4/9/2014	14-04065 (14-04065 Rev.)	4/25/14 (7/31/14)	7/23/2014
11		11/20-25/13	Drill Rig - Outside	Air Filter - 3	air	N/A	4/9/2014	N/A	4/9/2014	14-04065 (14-04065 Rev.)	4/25/14 (7/31/14)	7/23/2014
11		11/8/2013	S. Schmidt Lapel	Air Filter - 4	air	N/A	4/9/2014	N/A	4/9/2014	14-04065 (14-04065 Rev.)	4/25/14 (7/31/14)	7/23/2014
11		11/12/2013	D. Feezor Lapel	Air Filter - 5	air	N/A	4/9/2014	N/A	4/9/2014	14-04065 (14-04065 Rev.)	4/25/14 (7/31/14)	7/23/2014
11		11/13/2013	Drill Rig - Outside	Air Filter - 6	air	N/A	4/9/2014	N/A	4/9/2014	14-04065 (14-04065 Rev.)	4/25/14 (7/31/14)	7/23/2014
11		11/14/2013	Drill Rig - Outside	Air Filter - 7	air	N/A	4/9/2014	N/A	4/9/2014	14-04065 (14-04065 Rev.)	4/25/14 (7/31/14)	7/23/2014
11		11/18/2013	Drill Rig - Outside	Air Filter - 8	air	N/A	4/9/2014	N/A	4/9/2014	14-04065 (14-04065 Rev.)	4/25/14 (7/31/14)	7/23/2014
11		11/19/2013	Drill Rig - Outside	Air Filter - 9	air	N/A	4/9/2014	N/A	4/9/2014	14-04065 (14-04065 Rev.)	4/25/14 (7/31/14)	7/23/2014
11		11/7/2013	D. Feezor Lapel	Air Filter - 10	air	N/A	4/9/2014	N/A	4/9/2014	14-04065 (14-04065 Rev.)	4/25/14 (7/31/14)	7/23/2014
11		11/8/2013	D. Feezor Lapel	Air Filter - 11	air	N/A	4/9/2014	N/A	4/9/2014	14-04065 (14-04065 Rev.)	4/25/14 (7/31/14)	7/23/2014
11		11/12/2013	S. Schmidt Lapel	Air Filter - 12	air	N/A	4/9/2014	N/A	4/9/2014	14-04065 (14-04065 Rev.)	4/25/14 (7/31/14)	7/23/2014
11		11/13/2013	S. Schmidt Lapel	Air Filter - 13	air	N/A	4/9/2014	N/A	4/9/2014	14-04065 (14-04065 Rev.)	4/25/14 (7/31/14)	7/23/2014
11		11/14/2013	S. Schmidt Lapel	Air Filter - 14	air	N/A	4/9/2014	N/A	4/9/2014	14-04065 (14-04065 Rev.)	4/25/14 (7/31/14)	7/23/2014
11		11/15/2013	Drill Rig - Outside	Air Filter - 15	air	N/A	4/9/2014	N/A	4/9/2014	14-04065 (14-04065 Rev.)	4/25/14 (7/31/14)	7/23/2014
11		11/19/2013	Drill Rig - Outside	Air Filter - 16	air	N/A	4/9/2014	N/A	4/9/2014	14-04065 (14-04065 Rev.)	4/25/14 (7/31/14)	7/23/2014
11		11/21/2013	Drill Rig - Outside	Air Filter - 17	air	N/A	4/9/2014	N/A	4/9/2014	14-04065 (14-04065 Rev.)	4/25/14 (7/31/14)	7/23/2014
11A		11/22/2013	Drill Rig - Outside	Air Filter - 18	air	N/A	4/9/2014 (Auxier delivered samples to Eberline Services)	N/A	4/9/2014 (Auxier delivered samples to Eberline Services)	14-04066 (14-04066 Rev.)	4/25/14 (7/31/14)	7/23/2014
11A		11/23/2013	Drill Rig - Outside	Air Filter - 19	air	N/A	4/9/2014	N/A	4/9/2014	14-04066 (14-04066 Rev.)	4/25/14 (7/31/14)	7/23/2014
11A		11/24/2013	Drill Rig - Outside	Air Filter - 20	air	N/A	4/9/2014	N/A	4/9/2014	14-04066 (14-04066 Rev.)	4/25/14 (7/31/14)	7/23/2014
11A		11/15/2013	Drill Rig - Outside	Air Filter - 21	air	N/A	4/9/2014	N/A	4/9/2014	14-04066 (14-04066 Rev.)	4/25/14 (7/31/14)	7/23/2014
11A		10/30/2013	D. Lawrence - Lapel	Air Filter - 22	air	N/A	4/9/2014	N/A	4/9/2014	14-04066 (14-04066 Rev.)	4/25/14 (7/31/14)	7/23/2014
11A		11/1/2013	S. Schmidt Lapel	Air Filter - 23	air	N/A	4/9/2014	N/A	4/9/2014	14-04066 (14-04066 Rev.)	4/25/14 (7/31/14)	7/23/2014
11A		11/4/2013	D. Feezor Lapel	Air Filter - 24	air	N/A	4/9/2014	N/A	4/9/2014	14-04066 (14-04066 Rev.)	4/25/14 (7/31/14)	7/23/2014
11A		11/5/2013	S. Schmidt Lapel	Air Filter - 25	air	N/A	4/9/2014	N/A	4/9/2014	14-04066 (14-04066 Rev.)	4/25/14 (7/31/14)	7/23/2014
11A		11/7/2013	S. Schmidt Lapel	Air Filter - 26	air	N/A	4/9/2014	N/A	4/9/2014	14-04066 (14-04066 Rev.)	4/25/14 (7/31/14)	7/23/2014
11A		10/30/2013	S. Schmidt Lapel	Air Filter - 27	air	N/A	4/9/2014	N/A	4/9/2014	14-04066 (14-04066 Rev.)	4/25/14 (7/31/14)	7/23/2014
11A		11/1/2013	D. Feezor Lapel	Air Filter - 28	air	N/A	4/9/2014	N/A	4/9/2014	14-04066 (14-04066 Rev.)	4/25/14 (7/31/14)	7/23/2014
11A		11/4/2013	S. Schmidt Lapel	Air Filter - 29	air	N/A	4/9/2014	N/A	4/9/2014	14-04066 (14-04066 Rev.)	4/25/14 (7/31/14)	7/23/2014
11A		11/5/2013	D. Feezor Lapel	Air Filter - 30	air	N/A	4/9/2014	N/A	4/9/2014	14-04066 (14-04066 Rev.)	4/25/14 (7/31/14)	7/23/2014

13	11/8-15/13	Area Air Sample:Trailer-2655	LV1 #3683	air	N/A	12/11/2013 (Auxier delivered samples to Eberline Services)	N/A	12/11/2013 (Auxier delivered samples to Eberline Services)	13-12061	7/31/2014	7/23/2014
13	11/8-15/13	Area Air Sample: Wk Zone - 2655	LV1 #3794	air	N/A	12/11/2013	N/A	12/11/2013	13-12061	7/31/2014	7/23/2014
17	5/23/2014	Outside Office Trailer	Outside Office Trailer 5/23/14	Air	N/A	5/23/2014	770085341058	5/28/2014	14-05115	6/6/2014	7/23/2014
17	5/23/2014	Outside Transfer Station	Outside Transfer Station 5/23/14	Air	N/A	5/23/2014	770085341058	5/28/2014	14-05115	6/6/2014	7/23/2014
18	4/11/2014	Outside Office Trailer	1037-1/Outside Trailer	Air	N/A	5/21/14 (Auxier delivered samples to Eberline Services)	N/A	5/21/14 (Auxier delivered samples to Eberline Services)	14-05094 & 14-05094 Supplemental	6/4/2014 & 7/15/14	7/23/2014
18	4/25/2014	Outside Office Trailer	1037-2/Outside Trailer	Air	N/A	5/21/2014	N/A	5/21/2014	14-05094 & 14-05094 Supplemental	6/4/2014 & 7/15/14	7/23/2014
18	5/9/2014	Outside Office Trailer	1037-3/Outside Trailer	Air	N/A	5/21/2014	N/A	5/21/2014	14-05094 & 14-05094 Supplemental	6/4/2014 & 7/15/14	7/23/2014
18	4/11/2014	Outside Transfer Station	90037-4/Transfer Station	Air	N/A	5/21/2014	N/A	5/21/2014	14-05094 & 14-05094 Supplemental	6/4/2014 & 7/15/14	7/23/2014
18	4/25/2014	Outside Transfer Station	90037-5/Transfer Station	Air	N/A	5/21/2014	N/A	5/21/2014	14-05094 & 14-05094 Supplemental	6/4/2014 & 7/15/14	7/23/2014
18	5/9/2014	Outside Transfer Station	90037-6/Transfer Station	Air	N/A	5/21/2014	N/A	5/21/2014	14-05094 & 14-05094 Supplemental	6/4/2014 & 7/15/14	7/23/2014
18	4/11/2014	Outside Office Trailer	1037B-7/Outside Trailer	Air	N/A	5/21/2014	N/A	5/21/2014	14-05094 & 14-05094 Supplemental	6/4/2014 & 7/15/14	7/23/2014
19	6/6/2014	Outside Trailer	Outside Trailer 6/6/14	Air	N/A	6/6/2014	770219505461	6/9/2014	14-06020 & 14-06020 Supplemental	6/18/2014 & 7/15/14	7/23/2014
19	6/6/2014	Transfer Station	Outside Transfer Station 6/6/14	Air	N/A	6/6/2014	770219505461	6/9/2014	14-06020 & 14-06020 Supplemental	6/18/2014 & 7/15/14	7/23/2014
20	3/13/2014	Outside Office Trailer	SN 1037-15 (Outside Office Trailer)	Air	N/A			5/29/2014	14-05127	6/11/2014	7/23/2014
20	2/21/2014	Outside Office Trailer	SN 1038-16 (Outside Office Trailer)	Air	N/A			5/29/2014	14-05127	6/11/2014	7/23/2014
20	2/27/2014	Outside Transfer Station	SN 90037-17 (Outside Transfer Station)	Air	N/A			5/29/2014	14-05127	6/11/2014	7/23/2014
20	3/14/2014	Outside Transfer Station	SN 90037-18 (Outside Transfer Station)	Air	N/A			5/29/2014	14-05127	6/11/2014	7/23/2014
20	2/18/2014	ConeTec	HI VOL-19 (ConeTec)	Air	N/A			5/29/2014	14-05127	6/11/2014	7/23/2014
20	2/19/2014	ConeTec	HI VOL-20 (ConeTec)	Air	N/A			5/29/2014	14-05127	6/11/2014	7/23/2014
20	2/20/2014	ConeTec	HI VOL-21 (ConeTec)	Air	N/A			5/29/2014	14-05127	6/11/2014	7/23/2014
20	3/10/2014	Geoprobe	HI VOL-22 (Geoprobe)	Air	N/A			5/29/2014	14-05127	6/11/2014	7/23/2014
20	3/12/2014	Geoprobe	HI VOL-23 (Geoprobe)	Air	N/A			5/29/2014	14-05127	6/11/2014	7/23/2014
20	3/13/2014	Geoprobe	HI VOL-24 (Geoprobe)	Air	N/A			5/29/2014	14-05127	6/11/2014	7/23/2014
21	2/16/2014		Gillian # 5895-1	Air	N/A			5/29/2014	14-05128 & 14-05128 Supplemental	6/11/2014 & 7/15/14	7/23/2014
21	2/17/2014		Gillian # 5895-2	Air	N/A			5/29/2014	14-05128 & 14-05128 Supplemental	6/11/2014 & 7/15/14	7/23/2014
21	2/20/2014		Gillian # 5895-3	Air	N/A			5/29/2014	14-05128 & 14-05128 Supplemental	6/11/2014 & 7/15/14	7/23/2014
21	2/25/2014		Gillian # 5895-4	Air	N/A			5/29/2014	14-05128 & 14-05128 Supplemental	6/11/2014 & 7/15/14	7/23/2014
21	3/6/2014		Gillian # 5895-5	Air	N/A			5/29/2014	14-05128 & 14-05128 Supplemental	6/11/2014 & 7/15/14	7/23/2014
21	3/7/2014		Gillian # 5895-6	Air	N/A			5/29/2014	14-05128 & 14-05128 Supplemental	6/11/2014 & 7/15/14	7/23/2014

21		3/10/2014		Gillian # 5895-7	Air	N/A			5/29/2014	14-05128 & 14-05128 Supplemental	6/11/2014 & 7/15/14	7/23/2014
21		3/11/2014		Gillian # 5895-8	Air	N/A			5/29/2014	14-05128 & 14-05128 Supplemental	6/11/2014 & 7/15/14	7/23/2014
21		3/12/2014		Gillian # 5895-9	Air	N/A			5/29/2014	14-05128 & 14-05128 Supplemental	6/11/2014 & 7/15/14	7/23/2014
21		3/13/2014		Gillian # 5895-10	Air	N/A			5/29/2014	14-05128 & 14-05128 Supplemental	6/11/2014 & 7/15/14	7/23/2014
21		2/17/2014	ConeTec Rig	SKC R 16184-11 (ConeRec Rig)	Air	N/A			5/29/2014	14-05128 & 14-05128 Supplemental	6/11/2014 & 7/15/14	7/23/2013
21		2/18/2014	ConeTec Rig	SKC R 16184-12 (ConeRec Rig)	Air	N/A			5/29/2014	14-05128 & 14-05128 Supplemental	6/11/2014 & 7/15/14	7/23/2013
21		2/19/2014	ConeTec Rig	SKC R 16184-13 (ConeRec Rig)	Air	N/A			5/29/2014	14-05128 & 14-05128 Supplemental	6/11/2014 & 7/15/14	7/23/2013
21		2/19/2014		B-14	Air	N/A			5/29/2014	14-05128 & 14-05128 Supplemental	6/11/2014 & 7/15/14	7/23/2013
22		2/16/2014	Work Area	SN 2981-25 (Work Area)	Air	N/A			5/29/2014	14-05129	6/11/2014	7/23/2014
22		2/17/2014	Work Area-Frontz	SN 2981-26 (Work Area-Frontz)	Air	N/A			5/29/2014	14-05129	6/11/2014	7/23/2014
22		2/25/2014	Work Area	SN 2981-27 (Work Area)	Air	N/A			5/29/2014	14-05129	6/11/2014	7/23/2014
22		3/6/2014	Work Area-Geoprobe	SN 2981-28 (Work Area-Geoprobe)	Air	N/A			5/29/2014	14-05129	6/11/2014	7/23/2014
22		3/7/2014	Work Area-Geoprobe	SN 2981-29 (Work Area-Geoprobe)	Air	N/A			5/29/2014	14-05129	6/11/2014	7/23/2014
22		3/11/2014	Work Area-Geoprobe	SN 2981-30 (Work Area-Geoprobe)	Air	N/A			5/29/2014	14-05129	6/11/2014	7/23/2014
22		3/11/2014		B-31	Air	N/A			5/29/2014	14-05129	6/11/2014	7/23/2014
23		6/20/2014	Outside Trailer	Outside Trailer 6/20/14	Air	N/A	6/20/2014	770366162204	6/23/2014	14-06095 (14-06095 Rev.)	7/23/14 (8/13/14)	
23		6/20/2014	Outside Transfer Station	Outside Transfer Station 6/20/14	Air	N/A	6/20/2014	770366162204	6/23/2014	14-06095 (14-06095 Rev.)	7/23/14 (8/13/14)	
24		7/4/2014	Outside Trailer	Outside Trailer 7/4/14	Air	N/A	7/7/2014	770521728720	7/8/2014	14-07019	7/16/2014	
24		7/4/2014	Outside Transfer Station	Outside Transfer Station 7/4/14	Air	N/A	7/7/2014	770521728720	7/8/2014	14-07019	7/16/2014	
25		3/28/2014	Outside Trailer	SN-1037-1 Outside Trailer	Air	N/A	N/A	N/A	6/10/14 (Auxier delivered samples to Eberline Services)	14-06032	7/11/2014	8/18/2014
25		3/28/2014	Outside Transfer Station	SN-90037-2 Transfer Station	Air	N/A	N/A	N/A	6/10/2014	14-06032	7/11/2014	8/18/2014
26		7/18/2014	Outside Trailer	Outside Trailer 7/18/14	Air	N/A	7/18/2014	770625494250	7/21/2014	14-07110	8/20/2014	
26		7/18/2014	Outside Transfer Station	Outside Transfer Station 7/18/14	Air	N/A	7/18/2014	770625494250	7/21/2014	14-07110	8/20/2014	
27		8/1/2014	Outside Trailer	Outside Trailer 8/1/14	Air	N/A	8/1/2014	770740423103	8/4/2014			
27		8/1/2014	Outside Transfer Station	Outside Transfer Station 8/1/14	Air	N/A	8/1/2014	770740423103	8/4/2014			
28		8/15/2014	Outside Trailer	Outside Trailer 8/15/14	Air	N/A	8/15/2014	770842886240	8/18/2014			
28		8/15/2014	Outside Transfer Station	Outside Transfer Station 8/5/14	Air	N/A	8/15/2014	770842886240	8/18/2014			

Sample ID	Sample Date	Result	CSU	mda	CV	Qualifier	Thorium relative to 6E-12 uCi/ml limit
Thorium-230							
4th Quarter 2013							
5895 DRILL RIG OUTSIDE 1	11/13/13 17:00	4.19E-13	1.82E-13	8.98E-14	3.38E-15		Less than Limit
5895 DRILL RIG OUTSIDE 2	11/14/13 16:45	3.20E-13	2.05E-13	1.47E-13	2.35E-14		Less than Limit
LV1#3794	11/15/13 00:00	7.16E-16	5.19E-16	4.42E-16	5.59E-17		Less than Limit
LV1#3683	11/15/13 00:00	3.28E-15	1.74E-15	1.16E-15	2.97E-17		Less than Limit
6497 DRILL RIG OUTSIDE 4	11/15/13 12:05	3.14E-13	1.89E-13	1.19E-13	1.40E-14		Less than Limit
6497 DRILL RIG OUTSIDE 1	11/15/13 16:30	2.08E-13	1.08E-13	6.25E-14	8.77E-15		Less than Limit
2983 DRILL RIG OUTSIDE 1	11/16/13 17:00	1.53E-13	7.78E-14	4.45E-14	7.13E-15		Less than Limit
5895 DRILL RIG OUTSIDE 3	11/18/13 16:00	1.47E-13	1.66E-13	1.92E-13	2.27E-14		Less than Limit
5895 DRILL RIG OUTSIDE 4	11/19/13 16:00	1.80E-13	1.03E-13	7.99E-14	1.71E-14		Less than Limit
6497 DRILL RIG OUTSIDE 2	11/19/13 16:56	2.10E-13	1.19E-13	8.38E-14	3.15E-15		Less than Limit
2983 DRILL RIG OUTSIDE 2	11/20/13 12:00	5.33E-13	2.54E-13	1.24E-13	1.74E-14		Less than Limit
6497 DRILL RIG OUTSIDE 3	11/21/13 16:30	4.13E-13	1.77E-13	5.98E-14	5.65E-15		Less than Limit
6497 DRILL RIG OUTSIDE 1	11/22/13 17:00	3.19E-13	1.90E-13	1.35E-13	2.16E-14		Less than Limit
6497 DRILL RIG OUTSIDE 2	11/23/13 16:30	1.76E-13	1.10E-13	7.21E-14	8.53E-15		Less than Limit
6497 DRILL RIG OUTSIDE 3	11/24/13 14:52	3.30E-13	1.64E-13	1.05E-13	2.24E-14		Less than Limit
2983 DRILL RIG OUTSIDE 3	11/25/13 12:30	3.93E-14	2.48E-14	1.80E-14	2.90E-15		Less than Limit
1st Quarter 2014							
HI_VOL 2981 1/3/14	01/03/14 00:00	2.21E-14	1.13E-14	5.67E-15	5.85E-16		Less than Limit
HI_VOL 2982 1/14/14	01/14/14 00:00	1.61E-14	7.41E-15	3.46E-15	4.36E-16		Less than Limit
HI_VOL 2983 1/15/14	01/15/14 00:00	2.44E-14	9.84E-15	4.26E-15	8.70E-16		Less than Limit
HI_VOL 2984 1/16/14	01/16/14 00:00	2.33E-14	1.09E-14	6.68E-15	2.06E-15		Less than Limit
HI_VOL 2985 1/17/14	01/17/14 00:00	2.71E-14	1.34E-14	6.33E-15	7.98E-16		Less than Limit
HI_VOL 2986 1/18/14	01/18/14 00:00	2.82E-14	1.47E-14	9.34E-15	2.21E-15		Less than Limit
HI_VOL 2987 1/19/14	01/19/14 00:00	2.85E-14	1.74E-14	1.19E-14	2.41E-15		Less than Limit
HI_VOL 2988 1/20/14	01/20/14 00:00	1.26E-14	6.66E-15	3.88E-15	5.72E-16		Less than Limit
HI_VOL 2989 1/29/14	01/29/14 00:00	1.56E-14	7.51E-15	4.74E-15	1.12E-15		Less than Limit
Conetec Rig 1/29/14	01/29/14 00:00	1.68E-13	1.14E-13	7.12E-14	5.53E-15		Less than Limit
HI_VOL 2990 1/30/14	01/30/14 00:00	2.80E-14	1.31E-14	6.25E-15	7.90E-16		Less than Limit
Conetec Rig 1/30/14	01/30/14 00:00	1.65E-13	7.50E-14	3.95E-14	1.02E-15		Less than Limit
HI_VOL 2991 1/31/14	01/31/14 00:00	2.41E-14	1.46E-14	9.10E-15	9.41E-16		Less than Limit
HI_VOL 2992 2/2/14	02/02/14 00:00	2.14E-14	9.32E-15	3.45E-15	3.56E-16		Less than Limit
Conetec Rig 2/3/14	02/03/14 00:00	1.57E-13	9.55E-14	7.13E-14	1.20E-14		Less than Limit
Conetec Rig 2/4/14	02/04/14 00:00	1.16E-13	6.09E-14	2.87E-14	2.22E-15		Less than Limit
Conetec Rig 2/5/14	02/05/14 00:00	1.50E-13	6.78E-14	2.90E-14	2.99E-15		Less than Limit
Conetec Rig 2/6/14	02/06/14 00:00	3.06E-13	1.21E-13	3.89E-14	4.02E-15		Less than Limit
SN 2981-25 (Work Area)	02/16/14 15:00	1.01E-14	6.87E-15	5.00E-15	5.89E-16		Less than Limit
SN 2981-26 (Work Area-Fr)	02/17/14 15:46	2.69E-14	1.27E-14	8.10E-15	2.24E-15		Less than Limit
SKC R16184-11 (Conetec Rig)	02/17/14 17:45	2.08E-13	9.37E-14	4.29E-14	5.99E-15		Less than Limit
HI VOL-19 (Conetec)	02/18/14 17:00	2.80E-14	1.50E-14	8.05E-15	9.48E-16	Q	Less than Limit
SKC R16184-12 (Conetec Rig)	02/18/14 17:00	1.87E-13	8.18E-14	4.84E-14	1.26E-14		Less than Limit
HI VOL-20 (Conetec)	02/19/14 16:00	8.64E-15	4.94E-15	4.05E-15	1.12E-15		Less than Limit
SKC R16184-13 (Conetec Rig)	02/19/14 16:10	1.84E-13	7.80E-14	4.45E-14	1.10E-14		Less than Limit
HI VOL-21 (Conetec)	02/20/14 16:00	4.14E-15	2.82E-15	2.44E-15	4.38E-16		Less than Limit

Sample ID	Sample Date	Result	CSU	mda	CV	Qualifier	Thorium relative to 6E-12 uCi/ml limit
Thorium-230							
SN 2981-27 (Work Area)	02/25/14 11:50	2.69E-14	1.19E-14	5.94E-15	1.06E-15		Less than Limit
SN 2981-28 (Work Area-Geo)	03/06/14 16:30	1.07E-14	5.19E-15	2.56E-15	9.63E-17		Less than Limit
SN 2981-29 (Work Area-Geo)	03/07/14 14:15	2.56E-14	1.26E-14	8.07E-15	2.12E-15		Less than Limit
HI VOL-22 (Geoprobe)	03/10/14 16:00	2.00E-14	8.88E-15	4.27E-15	1.61E-16		Less than Limit
SN 2981-30 (Work Area-Geo)	03/11/14 15:00	2.35E-14	1.04E-14	3.41E-15	3.22E-16		Less than Limit
HI VOL-23 (Geoprobe)	03/12/14 15:45	1.03E-14	6.94E-15	6.69E-15	1.76E-15		Less than Limit
HI VOL-24 (Geoprobe)	03/13/14 11:00	2.49E-14	1.56E-14	8.79E-15	8.31E-16		Less than Limit

Max	5.33E-13
Min	7.16E-16
Average	1.20E-13

Sample ID	Sample Date	Result	CSU	mda	CV	Qualifier	Thorium relative to 3E-14 uCi/ml limit
Thorium-230							
4th Quarter 2013							
Outside trans. station bldg 12/20/13	12/20/13 00:00	2.18E-16	1.22E-16	8.60E-17	1.51E-17		Less than Limit
Outside office trailer 12/20/13	12/20/13 00:00	2.67E-16	1.35E-16	9.26E-17	1.54E-17		Less than Limit
1st Quarter 2014							
Outside trans. station bldg 1/10/14	01/10/14 00:00	3.62E-16	1.58E-16	6.96E-17	1.28E-17		Less than Limit
Outside office trailer 1/10/14	01/10/14 00:00	5.34E-16	2.17E-16	1.04E-16	1.68E-17		Less than Limit
Outside office trailer 1/28/14	01/28/14 00:00	4.42E-16	2.07E-16	9.84E-17	1.95E-17		Less than Limit
Outside trans. station bldg 1/28/14	01/28/14 00:00	4.46E-16	1.94E-16	8.91E-17	2.05E-18		Less than Limit
SN 1038-16 (Outside Office	02/21/14 15:00	4.57E-16	1.97E-16	7.11E-17	6.72E-18		Less than Limit
SN 90037-17 (Outside Trans	02/27/14 13:24	4.55E-16	2.24E-16	1.30E-16	2.58E-17		Less than Limit
SN 1037-15 (Outside Office	03/13/14 13:15	1.39E-16	1.12E-16	9.98E-17	1.18E-17		Less than Limit
SN 90037-18 (Outside Trans	03/14/14 07:45	3.12E-16	1.58E-16	1.11E-16	5.13E-17		Less than Limit
SN# 1037-1 Outside Trailer	03/28/14 12:32	1.60E-16	1.32E-16	1.44E-16	2.85E-17		Less than Limit
SN# 90037-2 Transfer Station	03/28/14 12:49	9.54E-17	5.68E-17	3.60E-17	4.25E-18		Less than Limit
1037-1/OUTSIDE TRAILER	04/11/14 13:30	1.41E-16	9.49E-17	6.98E-17	8.23E-18		Less than Limit
1037B-7/OUTSIDE TRAILER	04/11/14 13:30	1.48E-16	9.57E-17	7.36E-17	1.18E-17		Less than Limit
90037-4/TRANSFER STATION	04/11/14 14:00	SAMPLER NOT FUNCTIONING					
1037-2/OUTSIDE TRAILER	04/25/14 10:20	SAMPLER NOT FUNCTIONING					
90037-5/TRANSFER STATION	04/25/14 10:36	SAMPLER NOT FUNCTIONING					
1037-3/OUTSIDE TRAILER	05/09/14 10:13	SAMPLER NOT FUNCTIONING					
90037-6/TRANSFER STATION	05/09/14 10:26	SAMPLER NOT FUNCTIONING					
OUTSIDE TRAILER	05/23/14 11:40	3.22E-16	3.29E-16	4.46E-16	1.17E-16		Less than Limit
TRANSFER STATION	05/23/14 11:50	1.14E-15	5.22E-16	1.84E-16	1.74E-17		Less than Limit
TRANSFER STATION	06/06/14 09:49	4.53E-16	2.02E-16	7.84E-17	9.28E-18		Less than Limit
OUTSIDE TRAILER	06/06/14 10:10	3.33E-16	1.64E-16	1.19E-16	3.30E-17		Less than Limit

Max 1.14E-15
 Min 9.54E-17
 Average 3.57E-16

Sample ID	Sample Date	Result	CSU	mda	CV	Qualifier	Thorium relative to 6E-12 uCi/ml limit
Thorium-230							
4th Quarter 2013							
Sample 1	10/30/13 16:00	1.45E-13	1.06E-13	1.02E-13	2.01E-14		Less than Limit
Sample 2	10/30/13 16:00	4.26E-13	2.11E-13	1.09E-13	1.53E-14		Less than Limit
Sample 3	11/01/13 15:30	3.36E-13	1.69E-13	7.44E-14	6.99E-15		Less than Limit
Sample 4	11/01/13 15:30	4.20E-13	1.94E-13	1.05E-13	3.94E-15		Less than Limit
Sample 5	11/04/13 15:45	4.07E-13	1.89E-13	9.09E-14	1.27E-14		Less than Limit
Sample 6	11/04/13 15:45	7.71E-13	4.49E-13	2.03E-13	1.92E-14		Less than Limit
Sample 7	11/05/13 16:00	4.12E-13	1.94E-13	8.70E-14	1.03E-14		Less than Limit
Sample 8	11/05/13 16:00	2.13E-13	1.56E-13	1.42E-13	5.33E-15		Less than Limit
Sample 9	11/07/13 15:30	4.31E-13	2.29E-13	1.17E-13	1.38E-14		Less than Limit
Sample 10	11/08/13 15:00	4.06E-13	2.00E-13	1.04E-13	1.45E-14		Less than Limit
Sample 11	11/08/13 15:00	3.55E-13	1.78E-13	1.12E-13	2.21E-14		Less than Limit
Sample 12	11/12/13 15:30	2.87E-13	1.58E-13	7.57E-14	7.19E-15		Less than Limit
Sample 13	11/12/13 16:00	5.25E-13	2.23E-13	1.01E-13	3.82E-15		Less than Limit
Sample 14	11/13/13 15:15	2.71E-13	1.42E-13	8.12E-14	1.14E-14		Less than Limit
Sample 15	11/14/13 16:00	2.90E-13	1.36E-13	6.13E-14	7.23E-15		Less than Limit
1st Quarter 2014							
Sample 16	01/03/14 00:00	6.50E-13	2.48E-13	6.81E-14	5.28E-15		Less than Limit
Sample 17	01/14/14 00:00	5.34E-13	3.20E-13	1.97E-13	2.91E-14		Less than Limit
Sample 18	01/15/14 00:00	5.40E-13	2.20E-13	7.45E-14	7.68E-15		Less than Limit
Sample 19	01/16/14 00:00	4.95E-13	2.00E-13	8.48E-14	2.18E-15		Less than Limit
Sample 20	01/17/14 00:00	6.44E-13	3.06E-13	1.86E-13	3.79E-14		Less than Limit
Sample 21	01/18/14 00:00	3.88E-13	1.94E-13	1.08E-13	1.60E-14		Less than Limit
Sample 22	01/19/14 00:00	8.81E-13	4.06E-13	1.54E-13	1.20E-14		Less than Limit
Sample 23	01/20/14 00:00	2.37E-13	1.33E-13	8.71E-14	1.29E-14		Less than Limit
Sample 24	01/29/14 00:00	5.42E-13	2.26E-13	8.18E-14	1.29E-14		Less than Limit
Sample 25	01/30/14 00:00	1.04E-12	4.39E-13	2.00E-13	5.16E-15		Less than Limit
Sample 26	01/31/14 00:00	1.22E-12	4.70E-13	2.08E-13	4.23E-14		Less than Limit
Sample 27	02/02/14 00:00	4.52E-13	2.15E-13	1.09E-13	1.62E-14		Less than Limit
Sample 28	02/16/14 13:00	2.49E-13	1.92E-13	1.75E-13	2.44E-14		Less than Limit
Sample 29	02/17/14 15:46	3.33E-13	1.82E-13	1.25E-13	4.70E-15		Less than Limit
Sample 30	02/20/14 13:40	3.38E-13	2.01E-13	1.43E-13	2.30E-14		Less than Limit
Sample 31	02/25/14 11:50	6.54E-13	2.99E-13	1.40E-13	1.97E-14		Less than Limit
Sample 32	03/06/14 16:30	8.43E-13	4.89E-13	2.95E-13	3.48E-14		Less than Limit
Sample 33	03/07/14 14:15	1.74E-13	1.09E-13	8.72E-14	3.27E-15		Less than Limit
Sample 34	03/10/14 16:00	2.87E-13	1.52E-13	9.34E-14	1.50E-14		Less than Limit
Sample 35	03/11/14 15:00	2.46E-13	1.29E-13	6.10E-14	5.77E-15		Less than Limit
Sample 36	03/12/14 15:45	3.47E-13	1.81E-13	1.16E-13	4.34E-15		Less than Limit
Sample 37	03/13/14 11:00	8.21E-13	4.39E-13	2.67E-13	4.29E-14		Less than Limit

Max 1.22E-12

Min 1.45E-13

Average 4.76E-13

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:					
			Dan Feezor					SDG:	14-03007 SUPPLEMENTAL				
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1				
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL				
			Chatham, IL 62629					Sample Matrix:	AF				
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units
14-03007-01	LCS	KNOWN	03/04/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Alpha	LANL MLR-100 Modified	3.12E-04	1.34E-05			uCi/ml
14-03007-01	LCS	SPIKE	03/04/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Alpha	LANL MLR-100 Modified	2.47E-04	4.98E-06	2.75E-05	7.84E-08	uCi/ml
14-03007-02	MBL	BLANK	03/04/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Alpha	LANL MLR-100 Modified	-2.93E-17	1.72E-16	1.72E-16	3.93E-16	uCi/ml
14-03007-03	DUP	Outside trans. station bldg 12/20/13	12/20/13 00:00	3/3/2014	3/4/2014	14-03007	Gross Alpha	LANL MLR-100 Modified	3.94E-16	1.40E-16	1.47E-16	1.11E-16	uCi/ml
14-03007-04	DO	Outside trans. station bldg 12/20/13	12/20/13 00:00	3/3/2014	3/4/2014	14-03007	Gross Alpha	LANL MLR-100 Modified	4.70E-16	1.60E-16	1.68E-16	1.54E-16	uCi/ml
14-03007-05	TRG	Outside office trailer 12/20/13	12/20/13 00:00	3/3/2014	3/4/2014	14-03007	Gross Alpha	LANL MLR-100 Modified	2.83E-15	4.50E-16	5.46E-16	2.63E-16	uCi/ml
14-03007-06	TRG	Outside office trailer 1/10/14	01/10/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Alpha	LANL MLR-100 Modified	2.28E-15	4.07E-16	4.77E-16	2.00E-16	uCi/ml
14-03007-07	TRG	Outside office trailer 1/28/14	01/28/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Alpha	LANL MLR-100 Modified	1.25E-15	2.92E-16	3.22E-16	1.31E-16	uCi/ml
14-03007-08	TRG	Outside trans. station bldg 1/10/14	01/10/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Alpha	LANL MLR-100 Modified	5.16E-16	1.78E-16	1.86E-16	1.37E-16	uCi/ml
14-03007-09	TRG	Outside trans. station bldg 1/28/14	01/28/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Alpha	LANL MLR-100 Modified	4.43E-16	1.92E-16	1.98E-16	1.77E-16	uCi/ml
14-03007-10	TRG	A. Luna 1/3/14	01/03/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Alpha	LANL MLR-100 Modified	4.87E-14	1.17E-13	1.17E-13	2.33E-13	uCi/ml
14-03007-11	TRG	A. Luna 1/14/14	01/14/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Alpha	LANL MLR-100 Modified	0.00E+00	1.46E-13	1.46E-13	3.04E-13	uCi/ml
14-03007-12	TRG	A. Luna 1/15/14	01/15/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Alpha	LANL MLR-100 Modified	2.35E-13	1.63E-13	1.65E-13	2.16E-13	uCi/ml
14-03007-13	TRG	A. Luna 1/16/14	01/16/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Alpha	LANL MLR-100 Modified	1.36E-13	1.14E-13	1.15E-13	1.49E-13	uCi/ml
14-03007-14	TRG	A. Luna 1/17/14	01/17/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Alpha	LANL MLR-100 Modified	3.82E-13	3.00E-13	3.03E-13	4.07E-13	uCi/ml
14-03007-15	TRG	A. Luna 1/18/14	01/18/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Alpha	LANL MLR-100 Modified	2.02E-13	1.71E-13	1.73E-13	2.42E-13	uCi/ml
14-03007-01	LCS	KNOWN	03/04/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Beta	LANL MLR-100 Modified	2.16E-04	6.49E-04			uCi/ml
14-03007-01	LCS	SPIKE	03/04/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Beta	LANL MLR-100 Modified	2.38E-04	4.11E-06	3.31E-05	7.58E-07	uCi/ml
14-03007-02	MBL	BLANK	03/04/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Beta	LANL MLR-100 Modified	-1.70E-17	4.22E-16	4.22E-16	7.61E-16	uCi/ml
14-03007-03	DUP	Outside trans. station bldg 12/20/13	12/20/13 00:00	3/3/2014	3/4/2014	14-03007	Gross Beta	LANL MLR-100 Modified	3.24E-15	3.46E-16	5.66E-16	3.22E-16	uCi/ml
14-03007-04	DO	Outside trans. station bldg 12/20/13	12/20/13 00:00	3/3/2014	3/4/2014	14-03007	Gross Beta	LANL MLR-100 Modified	2.83E-15	3.18E-16	5.04E-16	2.97E-16	uCi/ml
14-03007-05	TRG	Outside office trailer 12/20/13	12/20/13 00:00	3/3/2014	3/4/2014	14-03007	Gross Beta	LANL MLR-100 Modified	1.90E-14	9.10E-16	2.78E-15	4.89E-16	uCi/ml
14-03007-06	TRG	Outside office trailer 1/10/14	01/10/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Beta	LANL MLR-100 Modified	1.99E-14	9.68E-16	2.91E-15	5.63E-16	uCi/ml
14-03007-07	TRG	Outside office trailer 1/28/14	01/28/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Beta	LANL MLR-100 Modified	1.81E-14	9.03E-16	2.66E-15	4.43E-16	uCi/ml
14-03007-08	TRG	Outside trans. station bldg 1/10/14	01/10/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Beta	LANL MLR-100 Modified	7.24E-15	5.42E-16	1.14E-15	4.11E-16	uCi/ml
14-03007-09	TRG	Outside trans. station bldg 1/28/14	01/28/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Beta	LANL MLR-100 Modified	5.36E-15	5.38E-16	9.15E-16	4.83E-16	uCi/ml
14-03007-10	TRG	A. Luna 1/3/14	01/03/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Beta	LANL MLR-100 Modified	1.16E-12	4.55E-13	4.83E-13	6.77E-13	uCi/ml
14-03007-11	TRG	A. Luna 1/14/14	01/14/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Beta	LANL MLR-100 Modified	1.10E-12	3.87E-13	4.15E-13	5.67E-13	uCi/ml
14-03007-12	TRG	A. Luna 1/15/14	01/15/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Beta	LANL MLR-100 Modified	7.80E-13	3.89E-13	4.04E-13	6.08E-13	uCi/ml
14-03007-13	TRG	A. Luna 1/16/14	01/16/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Beta	LANL MLR-100 Modified	1.54E-12	3.86E-13	4.41E-13	5.02E-13	uCi/ml
14-03007-14	TRG	A. Luna 1/17/14	01/17/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Beta	LANL MLR-100 Modified	2.26E-12	8.27E-13	8.84E-13	1.22E-12	uCi/ml
14-03007-15	TRG	A. Luna 1/18/14	01/18/14 00:00	3/3/2014	3/4/2014	14-03007	Gross Beta	LANL MLR-100 Modified	1.29E-12	4.54E-13	4.88E-13	6.60E-13	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original

Eberline Analytical Final Report of Analysis			Report To:						Work Order Details:					
			Dan Feezor Feezor Engineering, Inc. 406 East Walnut Street Chatham, IL 62629						SDG:	14-03007 SUPPLEMENTAL				
									Purchase Order:	BT-026-PO1				
									Analysis Category:	ENVIRONMENTAL				
									Sample Matrix:	AF				
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	
14-03007-01	LCS	KNOWN	03/04/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-228	EML Th-01 Modified	4.73E-06	1.70E-07			uCi/ml	
14-03007-01	LCS	SPIKE	03/04/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-228	EML Th-01 Modified	5.31E-06	8.36E-07	9.74E-07	1.03E-07	uCi/ml	
14-03007-02	MBL	BLANK	03/04/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-228	EML Th-01 Modified	-1.17E-17	6.63E-17	6.63E-17	1.62E-16	uCi/ml	
14-03007-03	DUP	Outside trans. station bldg 12/20/13	12/20/13 00:00	3/3/2014	3/7/2014	14-03007	Thorium-228	EML Th-01 Modified	8.03E-17	1.11E-16	1.12E-16	1.82E-16	uCi/ml	
14-03007-04	DO	Outside trans. station bldg 12/20/13	12/20/13 00:00	3/3/2014	3/7/2014	14-03007	Thorium-228	EML Th-01 Modified	1.06E-16	8.90E-17	8.95E-17	1.02E-16	uCi/ml	
14-03007-05	TRG	Outside office trailer 12/20/13	12/20/13 00:00	3/3/2014	3/7/2014	14-03007	Thorium-228	EML Th-01 Modified	2.10E-16	1.25E-16	1.27E-16	1.25E-16	uCi/ml	
14-03007-06	TRG	Outside office trailer 1/10/14	01/10/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-228	EML Th-01 Modified	3.46E-16	1.77E-16	1.80E-16	1.72E-16	uCi/ml	
14-03007-07	TRG	Outside office trailer 1/28/14	01/28/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-228	EML Th-01 Modified	2.29E-16	1.38E-16	1.39E-16	8.66E-17	uCi/ml	
14-03007-08	TRG	Outside trans. station bldg 1/10/14	01/10/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-228	EML Th-01 Modified	1.71E-16	1.02E-16	1.03E-16	7.80E-17	uCi/ml	
14-03007-09	TRG	Outside trans. station bldg 1/28/14	01/28/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-228	EML Th-01 Modified	2.11E-16	1.21E-16	1.23E-16	7.37E-17	uCi/ml	
14-03007-10	TRG	A. Luna 1/3/14	01/03/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-228	EML Th-01 Modified	3.03E-13	1.59E-13	1.62E-13	1.23E-13	uCi/ml	
14-03007-11	TRG	A. Luna 1/14/14	01/14/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-228	EML Th-01 Modified	3.23E-13	2.47E-13	2.49E-13	2.41E-13	uCi/ml	
14-03007-12	TRG	A. Luna 1/15/14	01/15/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-228	EML Th-01 Modified	1.06E-13	9.46E-14	9.51E-14	1.16E-13	uCi/ml	
14-03007-13	TRG	A. Luna 1/16/14	01/16/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-228	EML Th-01 Modified	2.25E-13	1.24E-13	1.26E-13	8.89E-14	uCi/ml	
14-03007-14	TRG	A. Luna 1/17/14	01/17/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-228	EML Th-01 Modified	3.05E-13	2.11E-13	2.13E-13	2.18E-13	uCi/ml	
14-03007-15	TRG	A. Luna 1/18/14	01/18/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-228	EML Th-01 Modified	1.53E-13	1.23E-13	1.24E-13	1.37E-13	uCi/ml	
14-03007-01	LCS	KNOWN	03/04/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-230	EML Th-01 Modified	5.40E-06	1.46E-07			uCi/ml	
14-03007-01	LCS	SPIKE	03/04/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-230	EML Th-01 Modified	5.25E-06	8.29E-07	1.05E-06	9.69E-08	uCi/ml	
14-03007-02	MBL	BLANK	03/04/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-230	EML Th-01 Modified	1.85E-16	1.14E-16	1.16E-16	9.73E-17	uCi/ml	
14-03007-03	DUP	Outside trans. station bldg 12/20/13	12/20/13 00:00	3/3/2014	3/7/2014	14-03007	Thorium-230	EML Th-01 Modified	2.09E-16	1.41E-16	1.44E-16	1.23E-16	uCi/ml	
14-03007-04	DO	Outside trans. station bldg 12/20/13	12/20/13 00:00	3/3/2014	3/7/2014	14-03007	Thorium-230	EML Th-01 Modified	2.18E-16	1.20E-16	1.22E-16	8.60E-17	uCi/ml	
14-03007-05	TRG	Outside office trailer 12/20/13	12/20/13 00:00	3/3/2014	3/7/2014	14-03007	Thorium-230	EML Th-01 Modified	2.67E-16	1.31E-16	1.35E-16	9.26E-17	uCi/ml	
14-03007-06	TRG	Outside office trailer 1/10/14	01/10/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-230	EML Th-01 Modified	5.34E-16	2.07E-16	2.17E-16	1.04E-16	uCi/ml	
14-03007-07	TRG	Outside office trailer 1/28/14	01/28/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-230	EML Th-01 Modified	4.42E-16	2.00E-16	2.07E-16	9.84E-17	uCi/ml	
14-03007-08	TRG	Outside trans. station bldg 1/10/14	01/10/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-230	EML Th-01 Modified	3.62E-16	1.51E-16	1.58E-16	6.96E-17	uCi/ml	
14-03007-09	TRG	Outside trans. station bldg 1/28/14	01/28/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-230	EML Th-01 Modified	4.46E-16	1.86E-16	1.94E-16	8.91E-17	uCi/ml	
14-03007-10	TRG	A. Luna 1/3/14	01/03/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-230	EML Th-01 Modified	6.50E-13	2.34E-13	2.48E-13	6.81E-14	uCi/ml	
14-03007-11	TRG	A. Luna 1/14/14	01/14/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-230	EML Th-01 Modified	5.34E-13	3.13E-13	3.20E-13	1.97E-13	uCi/ml	
14-03007-12	TRG	A. Luna 1/15/14	01/15/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-230	EML Th-01 Modified	5.40E-13	2.09E-13	2.20E-13	7.45E-14	uCi/ml	
14-03007-13	TRG	A. Luna 1/16/14	01/16/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-230	EML Th-01 Modified	4.95E-13	1.90E-13	2.00E-13	8.48E-14	uCi/ml	
14-03007-14	TRG	A. Luna 1/17/14	01/17/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-230	EML Th-01 Modified	6.44E-13	2.96E-13	3.06E-13	1.86E-13	uCi/ml	
14-03007-15	TRG	A. Luna 1/18/14	01/18/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-230	EML Th-01 Modified	3.88E-13	1.88E-13	1.94E-13	1.08E-13	uCi/ml	

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:					
			Dan Feezor					SDG:	14-03007 SUPPLEMENTAL				
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1				
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL				
			Chatham, IL 62629					Sample Matrix:	AF				
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units
14-03007-01	LCS	KNOWN	03/04/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-232	EML Th-01 Modified	4.73E-06	1.70E-07			uCi/ml
14-03007-01	LCS	SPIKE	03/04/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-232	EML Th-01 Modified	5.29E-06	8.32E-07	9.53E-07	7.14E-08	uCi/ml
14-03007-02	MBL	BLANK	03/04/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-232	EML Th-01 Modified	7.94E-17	7.59E-17	7.63E-17	9.23E-17	uCi/ml
14-03007-03	DUP	Outside trans. station bldg 12/20/13	12/20/13 00:00	3/3/2014	3/7/2014	14-03007	Thorium-232	EML Th-01 Modified	1.03E-16	1.01E-16	1.01E-16	1.23E-16	uCi/ml
14-03007-04	DO	Outside trans. station bldg 12/20/13	12/20/13 00:00	3/3/2014	3/7/2014	14-03007	Thorium-232	EML Th-01 Modified	5.25E-17	5.74E-17	5.76E-17	6.86E-17	uCi/ml
14-03007-05	TRG	Outside office trailer 12/20/13	12/20/13 00:00	3/3/2014	3/7/2014	14-03007	Thorium-232	EML Th-01 Modified	9.29E-17	7.49E-17	7.53E-17	7.78E-17	uCi/ml
14-03007-06	TRG	Outside office trailer 1/10/14	01/10/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-232	EML Th-01 Modified	2.04E-16	1.19E-16	1.20E-16	9.21E-17	uCi/ml
14-03007-07	TRG	Outside office trailer 1/28/14	01/28/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-232	EML Th-01 Modified	2.09E-16	1.31E-16	1.33E-16	1.04E-16	uCi/ml
14-03007-08	TRG	Outside trans. station bldg 1/10/14	01/10/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-232	EML Th-01 Modified	1.83E-16	1.00E-16	1.02E-16	5.14E-17	uCi/ml
14-03007-09	TRG	Outside trans. station bldg 1/28/14	01/28/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-232	EML Th-01 Modified	1.26E-16	9.13E-17	9.20E-17	7.79E-17	uCi/ml
14-03007-10	TRG	A. Luna 1/3/14	01/03/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-232	EML Th-01 Modified	2.39E-13	1.31E-13	1.33E-13	7.79E-14	uCi/ml
14-03007-11	TRG	A. Luna 1/14/14	01/14/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-232	EML Th-01 Modified	3.01E-13	2.22E-13	2.24E-13	1.66E-13	uCi/ml
14-03007-12	TRG	A. Luna 1/15/14	01/15/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-232	EML Th-01 Modified	2.41E-13	1.31E-13	1.33E-13	8.16E-14	uCi/ml
14-03007-13	TRG	A. Luna 1/16/14	01/16/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-232	EML Th-01 Modified	1.10E-13	8.11E-14	8.16E-14	5.89E-14	uCi/ml
14-03007-14	TRG	A. Luna 1/17/14	01/17/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-232	EML Th-01 Modified	2.48E-13	1.82E-13	1.83E-13	1.86E-13	uCi/ml
14-03007-15	TRG	A. Luna 1/18/14	01/18/14 00:00	3/3/2014	3/7/2014	14-03007	Thorium-232	EML Th-01 Modified	1.81E-13	1.24E-13	1.25E-13	1.00E-13	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original



FROM: Cecilia Greene

TO: Mr. Dan Feezor, Feezor Engineering

CC: Mr. Paul Rosasco

DATE: 07/22/2014

RE: Transmittal of Validated Results for Eberline Work Order 14-03007

Eberline Services of Oak Ridge, TN has completed their analysis of the Phase 1 air samples in Eberline Work Order 14-03007. The validated results are summarized in Table 1.

The laboratory quality control samples were validated using MARLAP criteria. All laboratory control samples fell within acceptable control limits.

A complete verification of all of the laboratory calculations was performed. 100% of the calculated results were within $\pm 10\%$ of the laboratory results.

The low volume of air sampled for the lapel samplers increased the counting and combined standard uncertainty and the minimum detectable activity, which resulted in numerous Q and J qualifiers. This condition did not constitute a non-conformance to the measurement quality objectives.

The full laboratory Level IV report of analysis will be retained at Auxier & Associates offices in Knoxville, TN where it is available for inspection upon request. Should you require additional information or further clarification, please contact me or Mr. Michael Bollenbacher at (865) 675-3669.

Sincerely,

Cecilia Greene, MPH, NRRPT
Auxier & Associates, Inc.
9821 Cogdill Road, Suite 1
Knoxville, TN 37932

cgreene@auxier.com
(865) 675-3669 office
(865) 675-3677 fax
(865) 621-3076 cell

Health Physics and Environmental Radiation Consulting
A USA Environment, L.P. Company

Sample ID	Gross Alpha ($\mu\text{Ci/ml}$)	Gross Beta ($\mu\text{Ci/ml}$)
Analytical Method	LANL MLR-100 Modified	LANL MLR-100 Modified
A. Luna 1/14/14	< 2.46E-13 (0.00E+00 \pm 1.46E-13) {U}	< 1.72E-12 (1.10E-12 \pm 4.15E-13) {UQ}
A. Luna 1/15/14	2.35E-13 \pm 1.65E-13 {-}	< 1.90E-12 (7.80E-13 \pm 4.04E-13) {UQ}
A. Luna 1/16/14	1.36E-13 \pm 1.15E-13 {-}	1.54E-12 \pm 4.41E-13 {Q}
A. Luna 1/17/14	3.82E-13 \pm 3.03E-13 {-}	< 3.66E-12 (2.26E-12 \pm 8.84E-13) {UQ}
A. Luna 1/18/14	2.02E-13 \pm 1.73E-13 {-}	< 1.96E-12 (1.29E-12 \pm 4.88E-13) {UQ}
A. Luna 1/3/14	< 1.80E-13 (4.87E-14 \pm 1.17E-13) {U}	< 2.02E-12 (1.16E-12 \pm 4.83E-13) {UQ}
Outside office trailer 1/10/14	2.28E-15 \pm 4.77E-16 {-}	1.99E-14 \pm 2.91E-15 {-}
Outside office trailer 1/28/14	1.25E-15 \pm 3.22E-16 {-}	1.81E-14 \pm 2.66E-15 {-}
Outside office trailer 12/20/13	2.83E-15 \pm 5.46E-16 {-}	1.90E-14 \pm 2.78E-15 {-}
Outside trans. station bldg 1/10/14	5.16E-16 \pm 1.86E-16 {-}	7.24E-15 \pm 1.14E-15 {-}
Outside trans. station bldg 1/28/14	4.43E-16 \pm 1.98E-16 {-}	5.36E-15 \pm 9.15E-16 {-}
Outside trans. station bldg 12/20/13	4.70E-16 \pm 1.68E-16 {-}	2.83E-15 \pm 5.04E-16 {-}

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

Sample ID	Thorium-228 ($\mu\text{Ci/ml}$)	Thorium-230 ($\mu\text{Ci/ml}$)	Thorium-232 ($\mu\text{Ci/ml}$)
Analytical Method	EML Th-01 Modified	EML Th-01 Modified	EML Th-01 Modified
A. Luna 1/14/14	$3.23\text{E-}13 \pm 2.49\text{E-}13 \{-\}$	$5.34\text{E-}13 \pm 3.20\text{E-}13 \{-\}$	$< 3.09\text{E-}13 (3.01\text{E-}13 \pm 2.24\text{E-}13) \{\text{UQ}\}$
A. Luna 1/15/14	$1.06\text{E-}13 \pm 9.51\text{E-}14 \{-\}$	$5.40\text{E-}13 \pm 2.20\text{E-}13 \{-\}$	$2.41\text{E-}13 \pm 1.33\text{E-}13 \{-\}$
A. Luna 1/16/14	$2.25\text{E-}13 \pm 1.26\text{E-}13 \{-\}$	$4.95\text{E-}13 \pm 2.00\text{E-}13 \{-\}$	$< 1.23\text{E-}13 (1.10\text{E-}13 \pm 8.16\text{E-}14) \{\text{U}\}$
A. Luna 1/17/14	$3.05\text{E-}13 \pm 2.13\text{E-}13 \{-\}$	$6.44\text{E-}13 \pm 3.06\text{E-}13 \{-\}$	$< 2.74\text{E-}13 (2.48\text{E-}13 \pm 1.83\text{E-}13) \{\text{U}\}$
A. Luna 1/18/14	$1.53\text{E-}13 \pm 1.24\text{E-}13 \{-\}$	$3.88\text{E-}13 \pm 1.94\text{E-}13 \{-\}$	$1.81\text{E-}13 \pm 1.25\text{E-}13 \{-\}$
A. Luna 1/3/14	$3.03\text{E-}13 \pm 1.62\text{E-}13 \{-\}$	$6.50\text{E-}13 \pm 2.48\text{E-}13 \{-\}$	$2.39\text{E-}13 \pm 1.33\text{E-}13 \{-\}$
Outside office trailer 1/10/14	$3.46\text{E-}16 \pm 1.80\text{E-}16 \{-\}$	$5.34\text{E-}16 \pm 2.17\text{E-}16 \{-\}$	$2.04\text{E-}16 \pm 1.20\text{E-}16 \{-\}$
Outside office trailer 1/28/14	$2.29\text{E-}16 \pm 1.39\text{E-}16 \{-\}$	$4.42\text{E-}16 \pm 2.07\text{E-}16 \{-\}$	$2.09\text{E-}16 \pm 1.33\text{E-}16 \{-\}$
Outside office trailer 12/20/13	$2.10\text{E-}16 \pm 1.27\text{E-}16 \{-\}$	$2.67\text{E-}16 \pm 1.35\text{E-}16 \{-\}$	$9.29\text{E-}17 \pm 7.53\text{E-}17 \{-\}$
Outside trans. station bldg 1/10/14	$1.71\text{E-}16 \pm 1.03\text{E-}16 \{-\}$	$3.62\text{E-}16 \pm 1.58\text{E-}16 \{-\}$	$1.83\text{E-}16 \pm 1.02\text{E-}16 \{-\}$
Outside trans. station bldg 1/28/14	$2.11\text{E-}16 \pm 1.23\text{E-}16 \{-\}$	$4.46\text{E-}16 \pm 1.94\text{E-}16 \{-\}$	$1.26\text{E-}16 \pm 9.20\text{E-}17 \{-\}$
Outside trans. station bldg 12/20/13	$1.06\text{E-}16 \pm 8.95\text{E-}17 \{-\}$	$2.18\text{E-}16 \pm 1.22\text{E-}16 \{-\}$	$< 1.33\text{E-}16 (5.25\text{E-}17 \pm 5.76\text{E-}17) \{\text{U}\}$

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:					
			Dan Feezor					SDG:	14-03008 SUPPLEMENTAL				
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1				
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL				
			Chatham, IL 62629					Sample Matrix:	AF				
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units
14-03008-01	LCS	KNOWN	03/04/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Alpha	LANL MLR-100 Modified	3.13E-04	1.34E-05			uCi/ml
14-03008-01	LCS	SPIKE	03/04/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Alpha	LANL MLR-100 Modified	2.71E-04	5.21E-06	3.01E-05	3.20E-07	uCi/ml
14-03008-02	MBL	BLANK	03/04/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Alpha	LANL MLR-100 Modified	4.68E-14	8.10E-14	8.11E-14	1.50E-13	uCi/ml
14-03008-03	DUP	A. Luna 1/19/14	01/19/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Alpha	LANL MLR-100 Modified	0.00E+00	1.36E-13	1.36E-13	3.01E-13	uCi/ml
14-03008-04	DO	A. Luna 1/19/14	01/19/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Alpha	LANL MLR-100 Modified	-5.10E-14	1.22E-13	1.23E-13	3.14E-13	uCi/ml
14-03008-05	TRG	A. Luna 1/20/14	01/20/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Alpha	LANL MLR-100 Modified	4.19E-14	1.30E-13	1.30E-13	2.57E-13	uCi/ml
14-03008-06	TRG	A. Luna 1/29/14	01/29/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Alpha	LANL MLR-100 Modified	0.00E+00	1.12E-13	1.12E-13	2.58E-13	uCi/ml
14-03008-07	TRG	A. Luna 1/30/14	01/30/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Alpha	LANL MLR-100 Modified	4.47E-14	2.32E-13	2.32E-13	4.94E-13	uCi/ml
14-03008-08	TRG	A. Luna 1/31/14	01/31/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Alpha	LANL MLR-100 Modified	5.07E-14	3.85E-13	3.85E-13	7.77E-13	uCi/ml
14-03008-09	TRG	A. Luna 2/2/14	02/02/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Alpha	LANL MLR-100 Modified	6.82E-14	1.34E-13	1.34E-13	2.52E-13	uCi/ml
14-03008-10	TRG	Conetec Rig 1/29/14	01/29/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Alpha	LANL MLR-100 Modified	3.11E-14	9.64E-14	9.65E-14	1.91E-13	uCi/ml
14-03008-11	TRG	Conetec Rig 1/30/14	01/30/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Alpha	LANL MLR-100 Modified	9.32E-14	6.09E-14	6.17E-14	3.11E-14	uCi/ml
14-03008-12	TRG	Conetec Rig 2/3/14	02/03/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Alpha	LANL MLR-100 Modified	-4.06E-14	7.95E-14	7.96E-14	1.95E-13	uCi/ml
14-03008-13	TRG	Conetec Rig 2/4/14	02/04/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Alpha	LANL MLR-100 Modified	1.02E-14	4.47E-14	4.47E-14	9.77E-14	uCi/ml
14-03008-14	TRG	Conetec Rig 2/5/14	02/05/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Alpha	LANL MLR-100 Modified	-8.76E-15	4.54E-14	4.54E-14	1.08E-13	uCi/ml
14-03008-15	TRG	Conetec Rig 2/6/14	02/06/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Alpha	LANL MLR-100 Modified	1.01E-14	5.94E-14	5.94E-14	1.24E-13	uCi/ml
14-03008-01	LCS	KNOWN	03/04/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Beta	LANL MLR-100 Modified	2.16E-04	6.49E-06			uCi/ml
14-03008-01	LCS	SPIKE	03/04/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Beta	LANL MLR-100 Modified	2.60E-04	4.29E-06	3.62E-05	5.48E-07	uCi/ml
14-03008-02	MBL	BLANK	03/04/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Beta	LANL MLR-100 Modified	1.90E-14	2.14E-13	2.14E-13	3.85E-13	uCi/ml
14-03008-03	DUP	A. Luna 1/19/14	01/19/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Beta	LANL MLR-100 Modified	1.44E-12	4.38E-13	4.81E-13	6.01E-13	uCi/ml
14-03008-04	DO	A. Luna 1/19/14	01/19/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Beta	LANL MLR-100 Modified	1.66E-12	4.29E-13	4.87E-13	5.38E-13	uCi/ml
14-03008-05	TRG	A. Luna 1/20/14	01/20/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Beta	LANL MLR-100 Modified	1.24E-12	3.77E-13	4.13E-13	5.21E-13	uCi/ml
14-03008-06	TRG	A. Luna 1/29/14	01/29/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Beta	LANL MLR-100 Modified	1.17E-12	3.96E-13	4.28E-13	5.61E-13	uCi/ml
14-03008-07	TRG	A. Luna 1/30/14	01/30/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Beta	LANL MLR-100 Modified	2.40E-12	7.94E-13	8.61E-13	1.13E-12	uCi/ml
14-03008-08	TRG	A. Luna 1/31/14	01/31/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Beta	LANL MLR-100 Modified	2.68E-12	9.35E-13	1.01E-12	1.35E-12	uCi/ml
14-03008-09	TRG	A. Luna 2/2/14	02/02/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Beta	LANL MLR-100 Modified	9.76E-13	3.87E-13	4.10E-13	5.68E-13	uCi/ml
14-03008-10	TRG	Conetec Rig 1/29/14	01/29/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Beta	LANL MLR-100 Modified	7.92E-13	2.80E-13	3.01E-13	4.06E-13	uCi/ml
14-03008-11	TRG	Conetec Rig 1/30/14	01/30/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Beta	LANL MLR-100 Modified	6.14E-13	1.87E-13	2.06E-13	2.61E-13	uCi/ml
14-03008-12	TRG	Conetec Rig 2/3/14	02/03/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Beta	LANL MLR-100 Modified	9.85E-13	2.46E-13	2.81E-13	3.21E-13	uCi/ml
14-03008-13	TRG	Conetec Rig 2/4/14	02/04/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Beta	LANL MLR-100 Modified	7.02E-13	1.90E-13	2.13E-13	2.52E-13	uCi/ml
14-03008-14	TRG	Conetec Rig 2/5/14	02/05/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Beta	LANL MLR-100 Modified	6.27E-13	1.64E-13	1.85E-13	2.15E-13	uCi/ml
14-03008-15	TRG	Conetec Rig 2/6/14	02/06/14 00:00	3/3/2014	3/4/2014	14-03008	Gross Beta	LANL MLR-100 Modified	5.49E-13	1.79E-13	1.94E-13	2.52E-13	uCi/ml
14-03008-01	LCS	KNOWN	03/04/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-228	EML Th-01 Modified	4.85E-06	1.74E-07			uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:					
			Dan Feezor					SDG:	14-03008 SUPPLEMENTAL				
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1				
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL				
			Chatham, IL 62629					Sample Matrix:	AF				
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units
14-03008-01	LCS	SPIKE	03/04/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-228	EML Th-01 Modified	5.84E-06	9.70E-07	1.12E-06	7.78E-08	uCi/ml
14-03008-02	MBL	BLANK	03/04/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-228	EML Th-01 Modified	1.70E-15	2.38E-14	2.38E-14	6.79E-14	uCi/ml
14-03008-03	DUP	A. Luna 1/19/14	01/19/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-228	EML Th-01 Modified	2.30E-13	1.71E-13	1.72E-13	1.43E-13	uCi/ml
14-03008-04	DO	A. Luna 1/19/14	01/19/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-228	EML Th-01 Modified	3.28E-13	2.50E-13	2.52E-13	2.75E-13	uCi/ml
14-03008-05	TRG	A. Luna 1/20/14	01/20/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-228	EML Th-01 Modified	1.42E-13	1.05E-13	1.05E-13	1.06E-13	uCi/ml
14-03008-06	TRG	A. Luna 1/29/14	01/29/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-228	EML Th-01 Modified	1.15E-13	1.02E-13	1.03E-13	1.26E-13	uCi/ml
14-03008-07	TRG	A. Luna 1/30/14	01/30/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-228	EML Th-01 Modified	6.63E-13	3.30E-13	3.36E-13	2.07E-13	uCi/ml
14-03008-08	TRG	A. Luna 1/31/14	01/31/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-228	EML Th-01 Modified	4.02E-13	2.52E-13	2.54E-13	2.40E-13	uCi/ml
14-03008-09	TRG	A. Luna 2/2/14	02/02/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-228	EML Th-01 Modified	1.33E-13	1.16E-13	1.16E-13	1.37E-13	uCi/ml
14-03008-10	TRG	Conetec Rig 1/29/14	01/29/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-228	EML Th-01 Modified	8.47E-14	9.60E-14	9.64E-14	1.41E-13	uCi/ml
14-03008-11	TRG	Conetec Rig 1/30/14	01/30/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-228	EML Th-01 Modified	4.10E-14	3.62E-14	3.64E-14	4.09E-14	uCi/ml
14-03008-12	TRG	Conetec Rig 2/3/14	02/03/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-228	EML Th-01 Modified	1.12E-13	8.01E-14	8.08E-14	7.35E-14	uCi/ml
14-03008-13	TRG	Conetec Rig 2/4/14	02/04/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-228	EML Th-01 Modified	5.66E-14	4.28E-14	4.31E-14	4.24E-14	uCi/ml
14-03008-14	TRG	Conetec Rig 2/5/14	02/05/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-228	EML Th-01 Modified	9.68E-14	5.20E-14	5.28E-14	3.28E-14	uCi/ml
14-03008-15	TRG	Conetec Rig 2/6/14	02/06/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-228	EML Th-01 Modified	1.53E-13	7.76E-14	7.90E-14	4.72E-14	uCi/ml
14-03008-01	LCS	KNOWN	03/04/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-230	EML Th-01 Modified	5.40E-06	1.46E-07			uCi/ml
14-03008-01	LCS	SPIKE	03/04/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-230	EML Th-01 Modified	5.31E-06	9.01E-07	1.11E-06	9.19E-08	uCi/ml
14-03008-02	MBL	BLANK	03/04/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-230	EML Th-01 Modified	0.00E+00	0.00E+00	0.00E+00	1.98E-13	uCi/ml
14-03008-03	DUP	A. Luna 1/19/14	01/19/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-230	EML Th-01 Modified	4.58E-13	2.43E-13	2.50E-13	1.72E-13	uCi/ml
14-03008-04	DO	A. Luna 1/19/14	01/19/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-230	EML Th-01 Modified	8.81E-13	3.91E-13	4.06E-13	1.54E-13	uCi/ml
14-03008-05	TRG	A. Luna 1/20/14	01/20/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-230	EML Th-01 Modified	2.37E-13	1.29E-13	1.33E-13	8.71E-14	uCi/ml
14-03008-06	TRG	A. Luna 1/29/14	01/29/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-230	EML Th-01 Modified	5.42E-13	2.16E-13	2.26E-13	8.18E-14	uCi/ml
14-03008-07	TRG	A. Luna 1/30/14	01/30/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-230	EML Th-01 Modified	1.04E-12	4.20E-13	4.39E-13	2.00E-13	uCi/ml
14-03008-08	TRG	A. Luna 1/31/14	01/31/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-230	EML Th-01 Modified	1.22E-12	4.45E-13	4.70E-13	2.08E-13	uCi/ml
14-03008-09	TRG	A. Luna 2/2/14	02/02/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-230	EML Th-01 Modified	4.52E-13	2.07E-13	2.15E-13	1.09E-13	uCi/ml
14-03008-10	TRG	Conetec Rig 1/29/14	01/29/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-230	EML Th-01 Modified	1.68E-13	1.12E-13	1.14E-13	7.12E-14	uCi/ml
14-03008-11	TRG	Conetec Rig 1/30/14	01/30/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-230	EML Th-01 Modified	1.65E-13	7.22E-14	7.50E-14	3.95E-14	uCi/ml
14-03008-12	TRG	Conetec Rig 2/3/14	02/03/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-230	EML Th-01 Modified	1.57E-13	9.35E-14	9.55E-14	7.13E-14	uCi/ml
14-03008-13	TRG	Conetec Rig 2/4/14	02/04/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-230	EML Th-01 Modified	1.16E-13	5.92E-14	6.09E-14	2.87E-14	uCi/ml
14-03008-14	TRG	Conetec Rig 2/5/14	02/05/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-230	EML Th-01 Modified	1.50E-13	6.52E-14	6.78E-14	2.90E-14	uCi/ml
14-03008-15	TRG	Conetec Rig 2/6/14	02/06/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-230	EML Th-01 Modified	3.06E-13	1.15E-13	1.21E-13	3.89E-14	uCi/ml
14-03008-01	LCS	KNOWN	03/04/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-232	EML Th-01 Modified	4.85E-06	1.74E-07			uCi/ml
14-03008-01	LCS	SPIKE	03/04/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-232	EML Th-01 Modified	5.87E-06	9.75E-07	1.10E-06	9.75E-08	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:					
			Dan Feezor					SDG:	14-03008 SUPPLEMENTAL				
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1				
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL				
			Chatham, IL 62629					Sample Matrix:	AF				
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units
14-03008-02	MBL	BLANK	03/04/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-232	EML Th-01 Modified	-1.93E-15	2.25E-14	2.25E-14	4.73E-14	uCi/ml
14-03008-03	DUP	A. Luna 1/19/14	01/19/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-232	EML Th-01 Modified	9.97E-14	1.14E-13	1.15E-13	1.50E-13	uCi/ml
14-03008-04	DO	A. Luna 1/19/14	01/19/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-232	EML Th-01 Modified	6.12E-14	1.04E-13	1.04E-13	1.76E-13	uCi/ml
14-03008-05	TRG	A. Luna 1/20/14	01/20/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-232	EML Th-01 Modified	3.34E-13	1.55E-13	1.58E-13	7.37E-14	uCi/ml
14-03008-06	TRG	A. Luna 1/29/14	01/29/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-232	EML Th-01 Modified	1.62E-13	1.11E-13	1.12E-13	8.97E-14	uCi/ml
14-03008-07	TRG	A. Luna 1/30/14	01/30/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-232	EML Th-01 Modified	3.61E-13	2.28E-13	2.30E-13	1.39E-13	uCi/ml
14-03008-08	TRG	A. Luna 1/31/14	01/31/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-232	EML Th-01 Modified	2.78E-13	2.03E-13	2.04E-13	2.08E-13	uCi/ml
14-03008-09	TRG	A. Luna 2/2/14	02/02/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-232	EML Th-01 Modified	1.84E-13	1.26E-13	1.27E-13	1.02E-13	uCi/ml
14-03008-10	TRG	Conetec Rig 1/29/14	01/29/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-232	EML Th-01 Modified	1.28E-13	9.92E-14	9.98E-14	8.94E-14	uCi/ml
14-03008-11	TRG	Conetec Rig 1/30/14	01/30/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-232	EML Th-01 Modified	5.27E-14	3.98E-14	4.01E-14	3.95E-14	uCi/ml
14-03008-12	TRG	Conetec Rig 2/3/14	02/03/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-232	EML Th-01 Modified	9.11E-14	6.88E-14	6.92E-14	5.68E-14	uCi/ml
14-03008-13	TRG	Conetec Rig 2/4/14	02/04/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-232	EML Th-01 Modified	6.63E-14	4.42E-14	4.46E-14	3.28E-14	uCi/ml
14-03008-14	TRG	Conetec Rig 2/5/14	02/05/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-232	EML Th-01 Modified	1.27E-13	6.01E-14	6.11E-14	3.63E-14	uCi/ml
14-03008-15	TRG	Conetec Rig 2/6/14	02/06/14 00:00	3/3/2014	3/7/2014	14-03008	Thorium-232	EML Th-01 Modified	2.03E-13	9.03E-14	9.20E-14	4.87E-14	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original



FROM: Cecilia Greene

TO: Mr. Dan Feezor, Feezor Engineering

CC: Mr. Paul Rosasco

DATE: 07/22/2014

RE: Transmittal of Validated Results for Eberline Work Order 14-03008

Eberline Services of Oak Ridge, TN has completed their analysis of the Phase 1 air samples in Eberline Work Order 14-03008. The validated results are summarized in Table 1.

The laboratory quality control samples were validated using MARLAP criteria. All laboratory control samples fell within acceptable control limits.

A complete verification of all of the laboratory calculations was performed. 100% of the calculated results were within $\pm 10\%$ of the laboratory results.

The low volume of air sampled for both the lapel samples resulted increased the counting and combined standard uncertainty and the minimum detectable activity, resulting in numerous Q and J qualifiers. This condition did not constitute a non-conformance to the measurement quality objectives.

The full laboratory Level IV report of analysis will be retained at Auxier & Associates offices in Knoxville, TN where it is available for inspection upon request. Should you require additional information or further clarification, please contact me or Mr. Michael Bollenbacher at (865) 675-3669.

Sincerely,

Cecilia Greene, MPH, NRRPT
Auxier & Associates, Inc.
9821 Cogdill Road, Suite 1
Knoxville, TN 37932

cgreene@auxier.com
(865) 675-3669 office
(865) 675-3677 fax
(865) 621-3076 cell

Health Physics and Environmental Radiation Consulting
A USA Environment, L.P. Company

Sample ID	Gross Alpha ($\mu\text{Ci/ml}$)	Gross Beta ($\mu\text{Ci/ml}$)
Analytical Method	LANL MLR-100 Modified	LANL MLR-100 Modified
A. Luna 1/19/14	< 2.40E-13 (-5.10E-14 \pm 1.23E-13) {U}	1.66E-12 \pm 4.87E-13 {Q}
A. Luna 1/20/14	< 1.96E-13 (4.19E-14 \pm 1.30E-13) {U}	< 1.51E-12 (1.24E-12 \pm 4.13E-13) {UQ}
A. Luna 1/29/14	< 4.09E-13 (0.00E+00 \pm 1.12E-13) {U}	< 3.38E-12 (1.17E-12 \pm 4.28E-13) {UQ}
A. Luna 1/30/14	< 3.75E-13 (4.47E-14 \pm 2.32E-13) {U}	< 3.32E-12 (2.40E-12 \pm 8.61E-13) {UQ}
A. Luna 1/31/14	< 6.28E-13 (5.07E-14 \pm 3.85E-13) {U}	< 4.00E-12 (2.68E-12 \pm 1.01E-12) {UQ}
A. Luna 2/2/14	< 1.91E-13 (6.82E-14 \pm 1.34E-13) {U}	< 1.64E-12 (9.76E-13 \pm 4.10E-13) {UQ}
Conetec Rig 1/29/14	< 1.46E-13 (3.11E-14 \pm 9.65E-14) {U}	< 1.19E-12 (7.92E-13 \pm 3.01E-13) {UQ}
Conetec Rig 1/30/14	9.32E-14 \pm 6.17E-14 {-}	< 7.59E-13 (6.14E-13 \pm 2.06E-13) {U}
Conetec Rig 2/3/14	< 1.54E-13 (-4.06E-14 \pm 7.96E-14) {U}	9.85E-13 \pm 2.81E-13 {Q}
Conetec Rig 2/4/14	< 7.54E-14 (1.02E-14 \pm 4.47E-14) {U}	< 7.21E-13 (7.02E-13 \pm 2.13E-13) {U}
Conetec Rig 2/5/14	< 8.23E-14 (-8.76E-15 \pm 4.54E-14) {U}	6.27E-13 \pm 1.85E-13 {-}
Conetec Rig 2/6/14	< 9.49E-14 (1.01E-14 \pm 5.94E-14) {U}	< 7.28E-13 (5.49E-13 \pm 1.94E-13) {U}

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

Sample ID	Thorium-228 ($\mu\text{Ci/ml}$)	Thorium-230 ($\mu\text{Ci/ml}$)	Thorium-232 ($\mu\text{Ci/ml}$)
Analytical Method	EML Th-01 Modified	EML Th-01 Modified	EML Th-01 Modified
A. Luna 1/19/14	$3.28\text{E-}13 \pm 2.52\text{E-}13 \{-\}$	$8.81\text{E-}13 \pm 4.06\text{E-}13 \{-\}$	$< 3.27\text{E-}13 (6.12\text{E-}14 \pm 1.04\text{E-}13) \{U\}$
A. Luna 1/20/14	$1.42\text{E-}13 \pm 1.05\text{E-}13 \{-\}$	$2.37\text{E-}13 \pm 1.33\text{E-}13 \{-\}$	$3.34\text{E-}13 \pm 1.58\text{E-}13 \{-\}$
A. Luna 1/29/14	$1.15\text{E-}13 \pm 1.03\text{E-}13 \{-\}$	$5.42\text{E-}13 \pm 2.26\text{E-}13 \{-\}$	$< 3.22\text{E-}13 (1.62\text{E-}13 \pm 1.12\text{E-}13) \{-\}$
A. Luna 1/30/14	$6.63\text{E-}13 \pm 3.36\text{E-}13 \{-\}$	$1.04\text{E-}12 \pm 4.39\text{E-}13 \{-\}$	$3.61\text{E-}13 \pm 2.30\text{E-}13 \{Q\}$
A. Luna 1/31/14	$4.02\text{E-}13 \pm 2.54\text{E-}13 \{-\}$	$1.22\text{E-}12 \pm 4.70\text{E-}13 \{-\}$	$< 3.06\text{E-}13 (2.78\text{E-}13 \pm 2.04\text{E-}13) \{UQ\}$
A. Luna 2/2/14	$1.33\text{E-}13 \pm 1.16\text{E-}13 \{-\}$	$4.52\text{E-}13 \pm 2.15\text{E-}13 \{-\}$	$1.84\text{E-}13 \pm 1.27\text{E-}13 \{-\}$
Conetec Rig 1/29/14	$8.47\text{E-}14 \pm 9.64\text{E-}14 \{-\}$	$1.68\text{E-}13 \pm 1.14\text{E-}13 \{-\}$	$< 1.54\text{E-}13 (1.28\text{E-}13 \pm 9.98\text{E-}14) \{U\}$
Conetec Rig 1/30/14	$4.10\text{E-}14 \pm 3.64\text{E-}14 \{-\}$	$1.65\text{E-}13 \pm 7.50\text{E-}14 \{-\}$	$< 5.62\text{E-}14 (5.27\text{E-}14 \pm 4.01\text{E-}14) \{U\}$
Conetec Rig 2/3/14	$1.12\text{E-}13 \pm 8.08\text{E-}14 \{-\}$	$1.57\text{E-}13 \pm 9.55\text{E-}14 \{-\}$	$< 1.06\text{E-}13 (9.11\text{E-}14 \pm 6.92\text{E-}14) \{U\}$
Conetec Rig 2/4/14	$5.66\text{E-}14 \pm 4.31\text{E-}14 \{-\}$	$1.16\text{E-}13 \pm 6.09\text{E-}14 \{-\}$	$6.63\text{E-}14 \pm 4.46\text{E-}14 \{-\}$
Conetec Rig 2/5/14	$9.68\text{E-}14 \pm 5.28\text{E-}14 \{-\}$	$1.50\text{E-}13 \pm 6.78\text{E-}14 \{-\}$	$1.27\text{E-}13 \pm 6.11\text{E-}14 \{-\}$
Conetec Rig 2/6/14	$1.53\text{E-}13 \pm 7.90\text{E-}14 \{-\}$	$3.06\text{E-}13 \pm 1.21\text{E-}13 \{-\}$	$2.03\text{E-}13 \pm 9.20\text{E-}14 \{-\}$

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:					
			Dan Feezor					SDG:	14-03009				
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1				
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL				
			Chatham, IL 62629					Sample Matrix:	AF				
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units
14-03009-01	LCS	KNOWN	03/04/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Alpha	LANL MLR-100 Modified	3.15E-04	1.35E-05			uCi/ml
14-03009-01	LCS	SPIKE	03/04/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Alpha	LANL MLR-100 Modified	2.59E-04	5.10E-06	2.87E-05	7.84E-08	uCi/ml
14-03009-02	MBL	BLANK	03/04/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Alpha	LANL MLR-100 Modified	-9.19E-16	5.41E-15	5.41E-15	1.23E-14	uCi/ml
14-03009-03	DUP	HI_VOL 2981 1/3/14	01/03/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Alpha	LANL MLR-100 Modified	6.19E-15	5.74E-15	5.78E-15	8.47E-15	uCi/ml
14-03009-04	DO	HI_VOL 2981 1/3/14	01/03/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Alpha	LANL MLR-100 Modified	6.04E-15	4.47E-15	4.52E-15	2.59E-15	uCi/ml
14-03009-05	TRG	HI_VOL 2982 1/14/14	01/14/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Alpha	LANL MLR-100 Modified	5.44E-15	7.95E-15	7.98E-15	1.39E-14	uCi/ml
14-03009-06	TRG	HI_VOL 2983 1/15/14	01/15/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Alpha	LANL MLR-100 Modified	1.35E-14	7.18E-15	7.33E-15	8.27E-15	uCi/ml
14-03009-07	TRG	HI_VOL 2984 1/16/14	01/16/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Alpha	LANL MLR-100 Modified	8.23E-15	5.03E-15	5.11E-15	5.25E-15	uCi/ml
14-03009-08	TRG	HI_VOL 2985 1/17/14	01/17/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Alpha	LANL MLR-100 Modified	1.04E-14	7.62E-15	7.71E-15	9.96E-15	uCi/ml
14-03009-09	TRG	HI_VOL 2986 1/18/14	01/18/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Alpha	LANL MLR-100 Modified	1.39E-14	8.65E-15	8.78E-15	1.03E-14	uCi/ml
14-03009-10	TRG	HI_VOL 2987 1/19/14	01/19/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Alpha	LANL MLR-100 Modified	4.54E-15	5.91E-15	5.93E-15	1.01E-14	uCi/ml
14-03009-11	TRG	HI_VOL 2988 1/20/14	01/20/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Alpha	LANL MLR-100 Modified	7.93E-15	5.82E-15	5.89E-15	7.97E-15	uCi/ml
14-03009-12	TRG	HI_VOL 2989 1/29/14	01/29/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Alpha	LANL MLR-100 Modified	3.16E-15	6.56E-15	6.57E-15	1.21E-14	uCi/ml
14-03009-13	TRG	HI_VOL 2990 1/30/14	01/30/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Alpha	LANL MLR-100 Modified	1.38E-14	1.16E-14	1.17E-14	1.70E-14	uCi/ml
14-03009-14	TRG	HI_VOL 2991 1/31/14	01/31/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Alpha	LANL MLR-100 Modified	3.85E-14	2.22E-14	2.26E-14	2.79E-14	uCi/ml
14-03009-15	TRG	HI_VOL 2992 2/2/14	02/02/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Alpha	LANL MLR-100 Modified	8.26E-15	5.12E-15	5.20E-15	2.48E-15	uCi/ml
14-03009-01	LCS	KNOWN	03/04/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Beta	LANL MLR-100 Modified	2.18E-04	6.54E-06			uCi/ml
14-03009-01	LCS	SPIKE	03/04/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Beta	LANL MLR-100 Modified	2.40E-04	4.14E-06	3.35E-05	7.58E-07	uCi/ml
14-03009-02	MBL	BLANK	03/04/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Beta	LANL MLR-100 Modified	2.13E-15	1.34E-14	1.34E-14	2.39E-14	uCi/ml
14-03009-03	DUP	HI_VOL 2981 1/3/14	01/03/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Beta	LANL MLR-100 Modified	1.17E-13	2.06E-14	2.62E-14	2.46E-14	uCi/ml
14-03009-04	DO	HI_VOL 2981 1/3/14	01/03/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Beta	LANL MLR-100 Modified	1.12E-13	2.05E-14	2.57E-14	2.50E-14	uCi/ml
14-03009-05	TRG	HI_VOL 2982 1/14/14	01/14/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Beta	LANL MLR-100 Modified	1.12E-13	2.10E-14	2.61E-14	2.59E-14	uCi/ml
14-03009-06	TRG	HI_VOL 2983 1/15/14	01/15/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Beta	LANL MLR-100 Modified	1.39E-13	2.03E-14	2.79E-14	2.33E-14	uCi/ml
14-03009-07	TRG	HI_VOL 2984 1/16/14	01/16/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Beta	LANL MLR-100 Modified	8.48E-14	1.53E-14	1.93E-14	1.77E-14	uCi/ml
14-03009-08	TRG	HI_VOL 2985 1/17/14	01/17/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Beta	LANL MLR-100 Modified	1.54E-13	2.54E-14	3.31E-14	2.98E-14	uCi/ml
14-03009-09	TRG	HI_VOL 2986 1/18/14	01/18/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Beta	LANL MLR-100 Modified	1.18E-13	2.27E-14	2.80E-14	2.80E-14	uCi/ml
14-03009-10	TRG	HI_VOL 2987 1/19/14	01/19/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Beta	LANL MLR-100 Modified	1.06E-13	1.90E-14	2.40E-14	2.18E-14	uCi/ml
14-03009-11	TRG	HI_VOL 2988 1/20/14	01/20/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Beta	LANL MLR-100 Modified	9.60E-14	1.60E-14	2.08E-14	1.83E-14	uCi/ml
14-03009-12	TRG	HI_VOL 2989 1/29/14	01/29/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Beta	LANL MLR-100 Modified	9.60E-14	1.76E-14	2.20E-14	2.11E-14	uCi/ml
14-03009-13	TRG	HI_VOL 2990 1/30/14	01/30/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Beta	LANL MLR-100 Modified	2.00E-13	3.40E-14	4.38E-14	3.83E-14	uCi/ml
14-03009-14	TRG	HI_VOL 2991 1/31/14	01/31/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Beta	LANL MLR-100 Modified	2.57E-13	4.93E-14	6.07E-14	5.92E-14	uCi/ml
14-03009-15	TRG	HI_VOL 2992 2/2/14	02/02/14 00:00	3/3/2014	3/4/2014	14-03009	Gross Beta	LANL MLR-100 Modified	1.35E-13	1.95E-14	2.70E-14	2.08E-14	uCi/ml
14-03009-01	LCS	KNOWN	03/04/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-228	EML Th-01 Modified	4.72E-06	1.70E-07			uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:					
			Dan Feezor					SDG:	14-03009				
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1				
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL				
			Chatham, IL 62629					Sample Matrix:	AF				
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units
14-03009-01	LCS	SPIKE	03/04/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-228	EML Th-01 Modified	5.42E-06	9.16E-07	1.05E-06	1.39E-07	uCi/ml
14-03009-02	MBL	BLANK	03/04/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-228	EML Th-01 Modified	5.33E-17	1.77E-15	1.77E-15	4.24E-15	uCi/ml
14-03009-03	DUP	HI_VOL 2981 1/3/14	01/03/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-228	EML Th-01 Modified	3.92E-15	6.87E-15	6.88E-15	1.23E-14	uCi/ml
14-03009-04	DO	HI_VOL 2981 1/3/14	01/03/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-228	EML Th-01 Modified	1.03E-14	7.73E-15	7.79E-15	7.57E-15	uCi/ml
14-03009-05	TRG	HI_VOL 2982 1/14/14	01/14/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-228	EML Th-01 Modified	1.39E-14	6.93E-15	7.06E-15	5.41E-15	uCi/ml
14-03009-06	TRG	HI_VOL 2983 1/15/14	01/15/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-228	EML Th-01 Modified	1.04E-14	6.11E-15	6.19E-15	5.84E-15	uCi/ml
14-03009-07	TRG	HI_VOL 2984 1/16/14	01/16/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-228	EML Th-01 Modified	6.77E-15	6.45E-15	6.49E-15	9.20E-15	uCi/ml
14-03009-08	TRG	HI_VOL 2985 1/17/14	01/17/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-228	EML Th-01 Modified	1.16E-14	8.35E-15	8.42E-15	7.59E-15	uCi/ml
14-03009-09	TRG	HI_VOL 2986 1/18/14	01/18/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-228	EML Th-01 Modified	5.67E-15	7.53E-15	7.55E-15	1.21E-14	uCi/ml
14-03009-10	TRG	HI_VOL 2987 1/19/14	01/19/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-228	EML Th-01 Modified	6.88E-15	8.72E-15	8.75E-15	1.30E-14	uCi/ml
14-03009-11	TRG	HI_VOL 2988 1/20/14	01/20/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-228	EML Th-01 Modified	1.21E-14	6.56E-15	6.65E-15	4.74E-15	uCi/ml
14-03009-12	TRG	HI_VOL 2989 1/29/14	01/29/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-228	EML Th-01 Modified	6.91E-15	4.74E-15	4.78E-15	4.36E-15	uCi/ml
14-03009-13	TRG	HI_VOL 2990 1/30/14	01/30/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-228	EML Th-01 Modified	1.21E-14	8.02E-15	8.10E-15	5.16E-15	uCi/ml
14-03009-14	TRG	HI_VOL 2991 1/31/14	01/31/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-228	EML Th-01 Modified	2.63E-14	1.55E-14	1.57E-14	1.11E-14	uCi/ml
14-03009-15	TRG	HI_VOL 2992 2/2/14	02/02/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-228	EML Th-01 Modified	4.58E-15	4.32E-15	4.35E-15	5.65E-15	uCi/ml
14-03009-01	LCS	KNOWN	03/04/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-230	EML Th-01 Modified	5.39E-06	1.45E-07			uCi/ml
14-03009-01	LCS	SPIKE	03/04/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-230	EML Th-01 Modified	6.04E-06	9.98E-07	1.25E-06	9.72E-08	uCi/ml
14-03009-02	MBL	BLANK	03/04/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-230	EML Th-01 Modified	3.10E-16	1.42E-15	1.42E-15	3.32E-15	uCi/ml
14-03009-03	DUP	HI_VOL 2981 1/3/14	01/03/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-230	EML Th-01 Modified	1.38E-14	1.01E-14	1.02E-14	1.12E-14	uCi/ml
14-03009-04	DO	HI_VOL 2981 1/3/14	01/03/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-230	EML Th-01 Modified	2.21E-14	1.09E-14	1.13E-14	5.67E-15	uCi/ml
14-03009-05	TRG	HI_VOL 2982 1/14/14	01/14/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-230	EML Th-01 Modified	1.61E-14	7.13E-15	7.41E-15	3.46E-15	uCi/ml
14-03009-06	TRG	HI_VOL 2983 1/15/14	01/15/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-230	EML Th-01 Modified	2.44E-14	9.36E-15	9.84E-15	4.26E-15	uCi/ml
14-03009-07	TRG	HI_VOL 2984 1/16/14	01/16/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-230	EML Th-01 Modified	2.33E-14	1.05E-14	1.09E-14	6.68E-15	uCi/ml
14-03009-08	TRG	HI_VOL 2985 1/17/14	01/17/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-230	EML Th-01 Modified	2.71E-14	1.30E-14	1.34E-14	6.33E-15	uCi/ml
14-03009-09	TRG	HI_VOL 2986 1/18/14	01/18/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-230	EML Th-01 Modified	2.82E-14	1.43E-14	1.47E-14	9.34E-15	uCi/ml
14-03009-10	TRG	HI_VOL 2987 1/19/14	01/19/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-230	EML Th-01 Modified	2.85E-14	1.70E-14	1.74E-14	1.19E-14	uCi/ml
14-03009-11	TRG	HI_VOL 2988 1/20/14	01/20/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-230	EML Th-01 Modified	1.26E-14	6.48E-15	6.66E-15	3.88E-15	uCi/ml
14-03009-12	TRG	HI_VOL 2989 1/29/14	01/29/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-230	EML Th-01 Modified	1.56E-14	7.26E-15	7.51E-15	4.74E-15	uCi/ml
14-03009-13	TRG	HI_VOL 2990 1/30/14	01/30/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-230	EML Th-01 Modified	2.80E-14	1.26E-14	1.31E-14	6.25E-15	uCi/ml
14-03009-14	TRG	HI_VOL 2991 1/31/14	01/31/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-230	EML Th-01 Modified	2.41E-14	1.43E-14	1.46E-14	9.10E-15	uCi/ml
14-03009-15	TRG	HI_VOL 2992 2/2/14	02/02/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-230	EML Th-01 Modified	2.14E-14	8.94E-15	9.32E-15	3.45E-15	uCi/ml
14-03009-01	LCS	KNOWN	03/04/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-232	EML Th-01 Modified	4.72E-06	1.70E-07			uCi/ml
14-03009-01	LCS	SPIKE	03/04/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-232	EML Th-01 Modified	5.48E-06	9.23E-07	1.04E-06	9.14E-08	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:					
			Dan Feezor					SDG:	14-03009				
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1				
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL				
			Chatham, IL 62629					Sample Matrix:	AF				
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units
14-03009-02	MBL	BLANK	03/04/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-232	EML Th-01 Modified	1.04E-15	1.69E-15	1.69E-15	2.89E-15	uCi/ml
14-03009-03	DUP	HI_VOL 2981 1/3/14	01/03/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-232	EML Th-01 Modified	5.35E-15	6.36E-15	6.38E-15	9.24E-15	uCi/ml
14-03009-04	DO	HI_VOL 2981 1/3/14	01/03/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-232	EML Th-01 Modified	9.28E-15	6.79E-15	6.84E-15	4.94E-15	uCi/ml
14-03009-05	TRG	HI_VOL 2982 1/14/14	01/14/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-232	EML Th-01 Modified	8.87E-15	5.11E-15	5.17E-15	3.45E-15	uCi/ml
14-03009-06	TRG	HI_VOL 2983 1/15/14	01/15/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-232	EML Th-01 Modified	7.41E-15	4.65E-15	4.69E-15	3.39E-15	uCi/ml
14-03009-07	TRG	HI_VOL 2984 1/16/14	01/16/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-232	EML Th-01 Modified	1.54E-14	8.04E-15	8.15E-15	5.12E-15	uCi/ml
14-03009-08	TRG	HI_VOL 2985 1/17/14	01/17/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-232	EML Th-01 Modified	8.02E-15	6.54E-15	6.57E-15	5.76E-15	uCi/ml
14-03009-09	TRG	HI_VOL 2986 1/18/14	01/18/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-232	EML Th-01 Modified	2.18E-15	3.73E-15	3.73E-15	6.27E-15	uCi/ml
14-03009-10	TRG	HI_VOL 2987 1/19/14	01/19/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-232	EML Th-01 Modified	3.29E-15	5.12E-15	5.13E-15	7.50E-15	uCi/ml
14-03009-11	TRG	HI_VOL 2988 1/20/14	01/20/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-232	EML Th-01 Modified	5.94E-15	4.24E-15	4.27E-15	3.28E-15	uCi/ml
14-03009-12	TRG	HI_VOL 2989 1/29/14	01/29/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-232	EML Th-01 Modified	1.19E-15	2.74E-15	2.74E-15	5.32E-15	uCi/ml
14-03009-13	TRG	HI_VOL 2990 1/30/14	01/30/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-232	EML Th-01 Modified	9.51E-15	7.23E-15	7.27E-15	7.13E-15	uCi/ml
14-03009-14	TRG	HI_VOL 2991 1/31/14	01/31/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-232	EML Th-01 Modified	1.71E-14	1.23E-14	1.24E-14	1.14E-14	uCi/ml
14-03009-15	TRG	HI_VOL 2992 2/2/14	02/02/14 00:00	3/3/2014	3/9/2014	14-03009	Thorium-232	EML Th-01 Modified	6.36E-15	4.44E-15	4.48E-15	3.01E-15	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original



FROM: Cecilia Greene

TO: Mr. Dan Feezor, Feezor Engineering

CC: Mr. Paul Rosasco

DATE: 07/22/2014

RE: Transmittal of Validated Results for Eberline Work Order 14-03009

Eberline Services of Oak Ridge, TN has completed their analysis of the Phase 1 air samples in Eberline Work Order 14-03009. The validated results are summarized in Table 1.

The laboratory quality control samples were validated using MARLAP criteria. All laboratory control samples fell within acceptable control limits.

A complete verification of all of the laboratory calculations was performed. 100% of the calculated results were within \pm 10% of the laboratory results.

The full laboratory Level IV report of analysis will be retained at Auxier & Associates offices in Knoxville, TN where it is available for inspection upon request. Should you require additional information or further clarification, please contact me or Mr. Michael Bollenbacher at (865) 675-3669.

Sincerely,

Cecilia Greene, MPH, NRRPT
Auxier & Associates, Inc.
9821 Cogdill Road, Suite 1
Knoxville, TN 37932

cgreene@auxier.com
(865) 675-3669 office
(865) 675-3677 fax
(865) 621-3076 cell

Health Physics and Environmental Radiation Consulting
A USA Environment, L.P. Company

Sample ID	Gross Alpha ($\mu\text{Ci/ml}$)	Gross Beta ($\mu\text{Ci/ml}$)
Analytical Method	LANL MLR-100 Modified	LANL MLR-100 Modified
HI_VOL 2981 1/3/14	$6.04\text{E-}15 \pm 4.52\text{E-}15 \{-\}$	$1.12\text{E-}13 \pm 2.57\text{E-}14 \{-\}$
HI_VOL 2992 2/2/14	$8.26\text{E-}15 \pm 5.20\text{E-}15 \{-\}$	$1.35\text{E-}13 \pm 2.70\text{E-}14 \{-\}$
HI_VOL 2982 1/14/14	$< 1.12\text{E-}14 (5.44\text{E-}15 \pm 7.98\text{E-}15) \{U\}$	$1.12\text{E-}13 \pm 2.61\text{E-}14 \{-\}$
HI_VOL 2983 1/15/14	$1.35\text{E-}14 \pm 7.33\text{E-}15 \{-\}$	$1.39\text{E-}13 \pm 2.79\text{E-}14 \{-\}$
HI_VOL 2984 1/16/14	$8.23\text{E-}15 \pm 5.11\text{E-}15 \{-\}$	$8.48\text{E-}14 \pm 1.93\text{E-}14 \{-\}$
HI_VOL 2985 1/17/14	$1.04\text{E-}14 \pm 7.71\text{E-}15 \{-\}$	$1.54\text{E-}13 \pm 3.31\text{E-}14 \{-\}$
HI_VOL 2986 1/18/14	$1.39\text{E-}14 \pm 8.78\text{E-}15 \{-\}$	$1.18\text{E-}13 \pm 2.80\text{E-}14 \{-\}$
HI_VOL 2987 1/19/14	$< 7.63\text{E-}15 (4.54\text{E-}15 \pm 5.93\text{E-}15) \{U\}$	$1.06\text{E-}13 \pm 2.40\text{E-}14 \{-\}$
HI_VOL 2988 1/20/14	$7.93\text{E-}15 \pm 5.89\text{E-}15 \{-\}$	$9.60\text{E-}14 \pm 2.08\text{E-}14 \{-\}$
HI_VOL 2989 1/29/14	$< 9.77\text{E-}15 (3.16\text{E-}15 \pm 6.57\text{E-}15) \{U\}$	$9.60\text{E-}14 \pm 2.20\text{E-}14 \{-\}$
HI_VOL 2990 1/30/14	$1.38\text{E-}14 \pm 1.17\text{E-}14 \{-\}$	$2.00\text{E-}13 \pm 4.38\text{E-}14 \{-\}$
HI_VOL 2991 1/31/14	$3.85\text{E-}14 \pm 2.26\text{E-}14 \{-\}$	$2.57\text{E-}13 \pm 6.07\text{E-}14 \{-\}$

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

Sample ID	Thorium-228 ($\mu\text{Ci/ml}$)	Thorium-230 ($\mu\text{Ci/ml}$)	Thorium-232 ($\mu\text{Ci/ml}$)
Analytical Method	EML Th-01 Modified	EML Th-01 Modified	EML Th-01 Modified
HI_VOL 2981 1/3/14	$1.03\text{E-}14 \pm 7.79\text{E-}15 \{-\}$	$2.21\text{E-}14 \pm 1.13\text{E-}14 \{-\}$	$< 1.03\text{E-}14 (9.28\text{E-}15 \pm 6.84\text{E-}15) \{U\}$
HI_VOL 2992 2/2/14	$4.58\text{E-}15 \pm 4.35\text{E-}15 \{-\}$	$2.14\text{E-}14 \pm 9.32\text{E-}15 \{-\}$	$6.36\text{E-}15 \pm 4.48\text{E-}15 \{-\}$
HI_VOL 2982 1/14/14	$1.39\text{E-}14 \pm 7.06\text{E-}15 \{-\}$	$1.61\text{E-}14 \pm 7.41\text{E-}15 \{-\}$	$8.87\text{E-}15 \pm 5.17\text{E-}15 \{-\}$
HI_VOL 2983 1/15/14	$1.04\text{E-}14 \pm 6.19\text{E-}15 \{-\}$	$2.44\text{E-}14 \pm 9.84\text{E-}15 \{-\}$	$7.41\text{E-}15 \pm 4.69\text{E-}15 \{-\}$
HI_VOL 2984 1/16/14	$6.77\text{E-}15 \pm 6.49\text{E-}15 \{-\}$	$2.33\text{E-}14 \pm 1.09\text{E-}14 \{-\}$	$1.54\text{E-}14 \pm 8.15\text{E-}15 \{-\}$
HI_VOL 2985 1/17/14	$1.16\text{E-}14 \pm 8.42\text{E-}15 \{-\}$	$2.71\text{E-}14 \pm 1.34\text{E-}14 \{-\}$	$< 1.07\text{E-}14 (8.02\text{E-}15 \pm 6.57\text{E-}15) \{U\}$
HI_VOL 2986 1/18/14	$5.67\text{E-}15 \pm 7.55\text{E-}15 \{-\}$	$2.82\text{E-}14 \pm 1.47\text{E-}14 \{-\}$	$< 1.16\text{E-}14 (2.18\text{E-}15 \pm 3.73\text{E-}15) \{U\}$
HI_VOL 2987 1/19/14	$6.88\text{E-}15 \pm 8.75\text{E-}15 \{-\}$	$2.85\text{E-}14 \pm 1.74\text{E-}14 \{-\}$	$< 1.56\text{E-}14 (3.29\text{E-}15 \pm 5.13\text{E-}15) \{U\}$
HI_VOL 2988 1/20/14	$1.21\text{E-}14 \pm 6.65\text{E-}15 \{-\}$	$1.26\text{E-}14 \pm 6.66\text{E-}15 \{-\}$	$< 6.09\text{E-}15 (5.94\text{E-}15 \pm 4.27\text{E-}15) \{U\}$
HI_VOL 2989 1/29/14	$6.91\text{E-}15 \pm 4.78\text{E-}15 \{-\}$	$1.56\text{E-}14 \pm 7.51\text{E-}15 \{-\}$	$< 7.17\text{E-}15 (1.19\text{E-}15 \pm 2.74\text{E-}15) \{U\}$
HI_VOL 2990 1/30/14	$1.21\text{E-}14 \pm 8.10\text{E-}15 \{-\}$	$2.80\text{E-}14 \pm 1.31\text{E-}14 \{-\}$	$< 1.01\text{E-}14 (9.51\text{E-}15 \pm 7.27\text{E-}15) \{U\}$
HI_VOL 2991 1/31/14	$2.63\text{E-}14 \pm 1.57\text{E-}14 \{-\}$	$2.41\text{E-}14 \pm 1.46\text{E-}14 \{-\}$	$1.71\text{E-}14 \pm 1.24\text{E-}14 \{-\}$

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:					
			Dan Feezor					SDG:	14-04065 Revised				
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1				
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL				
			Chatham, IL 62629					Sample Matrix:	AF				
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units
14-04065-01	LCS	KNOWN	04/09/14 00:00	4/9/2014	4/10/2014	14-04065	Gross Alpha	LANL MLR-100 Modified	3.10E-04	1.33E-05			uCi/ml
14-04065-01	LCS	SPIKE	04/09/14 00:00	4/9/2014	4/10/2014	14-04065	Gross Alpha	LANL MLR-100 Modified	2.99E-04	3.91E-06	3.28E-05	2.80E-07	uCi/ml
14-04065-02	MBL	BLANK	04/09/14 00:00	4/9/2014	4/10/2014	14-04065	Gross Alpha	LANL MLR-100 Modified	-4.23E-14	5.17E-14	5.19E-14	1.48E-13	uCi/ml
14-04065-03	DUP	2983 DRILL RIG OUTSIDE 1	11/16/13 17:00	4/9/2014	4/10/2014	14-04065	Gross Alpha	LANL MLR-100 Modified	1.74E-13	4.34E-14	4.73E-14	3.63E-14	uCi/ml
14-04065-04	DO	2983 DRILL RIG OUTSIDE 1	11/16/13 17:00	4/9/2014	4/10/2014	14-04065	Gross Alpha	LANL MLR-100 Modified	1.54E-13	4.38E-14	4.69E-14	5.15E-14	uCi/ml
14-04065-05	TRG	2983 DRILL RIG OUTSIDE 2	11/20/13 12:00	4/9/2014	4/10/2014	14-04065	Gross Alpha	LANL MLR-100 Modified	3.04E-14	1.52E-13	1.52E-13	3.45E-13	uCi/ml
14-04065-06	TRG	2983 DRILL RIG OUTSIDE 3	11/25/13 12:30	4/9/2014	4/10/2014	14-04065	Gross Alpha	LANL MLR-100 Modified	1.00E-13	2.89E-14	3.09E-14	3.69E-14	uCi/ml
14-04065-07	TRG	5014 S. SCHMIDT LAPEL	11/08/13 15:00	4/9/2014	4/10/2014	14-04065	Gross Alpha	LANL MLR-100 Modified	2.78E-15	1.02E-14	1.02E-14	2.36E-14	uCi/ml
14-04065-08	TRG	5014 D. FEEZOR LAPEL	11/12/13 16:00	4/9/2014	4/10/2014	14-04065	Gross Alpha	LANL MLR-100 Modified	9.04E-14	7.67E-14	7.74E-14	1.25E-13	uCi/ml
14-04065-09	TRG	5895 DRILL RIG OUTSIDE 1	11/13/13 17:00	4/9/2014	4/10/2014	14-04065	Gross Alpha	LANL MLR-100 Modified	-1.14E-14	9.75E-14	9.75E-14	2.40E-13	uCi/ml
14-04065-10	TRG	5895 DRILL RIG OUTSIDE 2	11/14/13 16:45	4/9/2014	4/10/2014	14-04065	Gross Alpha	LANL MLR-100 Modified	8.97E-15	7.25E-14	7.25E-14	1.71E-13	uCi/ml
14-04065-11	TRG	5895 DRILL RIG OUTSIDE 3	11/18/13 16:00	4/9/2014	4/10/2014	14-04065	Gross Alpha	LANL MLR-100 Modified	-9.83E-15	9.24E-14	9.24E-14	2.24E-13	uCi/ml
14-04065-12	TRG	5895 DRILL RIG OUTSIDE 4	11/19/13 16:00	4/9/2014	4/10/2014	14-04065	Gross Alpha	LANL MLR-100 Modified	6.15E-14	8.26E-14	8.28E-14	1.68E-13	uCi/ml
14-04065-13	TRG	6497 D. FEEZOR LAPEL 1	11/07/13 15:30	4/9/2014	4/10/2014	14-04065	Gross Alpha	LANL MLR-100 Modified	1.13E-13	1.42E-13	1.42E-13	2.86E-13	uCi/ml
14-04065-14	TRG	6497 D. FEEZOR LAPEL 2	11/08/13 15:00	4/9/2014	4/10/2014	14-04065	Gross Alpha	LANL MLR-100 Modified	2.89E-14	6.93E-14	6.93E-14	1.60E-13	uCi/ml
14-04065-15	TRG	6497 S. SCHMIDT LAPEL 1	11/12/13 15:30	4/9/2014	4/10/2014	14-04065	Gross Alpha	LANL MLR-100 Modified	1.12E-13	8.19E-14	8.28E-14	1.23E-13	uCi/ml
14-04065-16	TRG	6497 S. SCHMIDT LAPEL 2	11/13/13 15:15	4/9/2014	4/10/2014	14-04065	Gross Alpha	LANL MLR-100 Modified	3.33E-14	9.47E-14	9.48E-14	2.12E-13	uCi/ml
14-04065-17	TRG	6497 S. SCHMIDT LAPEL 3	11/14/13 16:00	4/9/2014	4/10/2014	14-04065	Gross Alpha	LANL MLR-100 Modified	4.99E-14	8.06E-14	8.08E-14	1.69E-13	uCi/ml
14-04065-18	TRG	6497 DRILL RIG OUTSIDE 1	11/15/13 16:30	4/9/2014	4/10/2014	14-04065	Gross Alpha	LANL MLR-100 Modified	4.35E-14	7.38E-14	7.40E-14	1.57E-13	uCi/ml
14-04065-19	TRG	6497 DRILL RIG OUTSIDE 2	11/19/13 16:56	4/9/2014	4/10/2014	14-04065	Gross Alpha	LANL MLR-100 Modified	6.32E-14	7.72E-14	7.75E-14	1.53E-13	uCi/ml
14-04065-20	TRG	6497 DRILL RIG OUTSIDE 3	11/21/13 16:30	4/9/2014	4/10/2014	14-04065	Gross Alpha	LANL MLR-100 Modified	5.01E-14	1.06E-13	1.06E-13	2.28E-13	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:					
			Dan Feezor					SDG:	14-04065 Revised				
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1				
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL				
			Chatham, IL 62629					Sample Matrix:	AF				
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units
14-04065-01	LCS	KNOWN	04/09/14 00:00	4/9/2014	4/10/2014	14-04065	Gross Beta	LANL MLR-100 Modified	2.14E-04	6.43E-06			uCi/ml
14-04065-01	LCS	SPIKE	04/09/14 00:00	4/9/2014	4/10/2014	14-04065	Gross Beta	LANL MLR-100 Modified	2.56E-04	3.02E-06	3.55E-05	6.42E-07	uCi/ml
14-04065-02	MBL	BLANK	04/09/14 00:00	4/9/2014	4/10/2014	14-04065	Gross Beta	LANL MLR-100 Modified	-2.08E-13	1.48E-13	1.51E-13	3.39E-13	uCi/ml
14-04065-03	DUP	2983 DRILL RIG OUTSIDE 1	11/16/13 17:00	4/9/2014	4/10/2014	14-04065	Gross Beta	LANL MLR-100 Modified	9.25E-13	9.51E-14	1.59E-13	1.27E-13	uCi/ml
14-04065-04	DO	2983 DRILL RIG OUTSIDE 1	11/16/13 17:00	4/9/2014	4/10/2014	14-04065	Gross Beta	LANL MLR-100 Modified	1.02E-12	9.00E-14	1.68E-13	9.91E-14	uCi/ml
14-04065-05	TRG	2983 DRILL RIG OUTSIDE 2	11/20/13 12:00	4/9/2014	4/10/2014	14-04065	Gross Beta	LANL MLR-100 Modified	1.59E-12	4.01E-13	4.57E-13	6.97E-13	uCi/ml
14-04065-06	TRG	2983 DRILL RIG OUTSIDE 3	11/25/13 12:30	4/9/2014	4/10/2014	14-04065	Gross Beta	LANL MLR-100 Modified	7.06E-13	6.04E-14	1.15E-13	7.19E-14	uCi/ml
14-04065-07	TRG	5014 S. SCHMIDT LAPEL	11/08/13 15:00	4/9/2014	4/10/2014	14-04065	Gross Beta	LANL MLR-100 Modified	1.69E-13	3.80E-14	4.46E-14	6.35E-14	uCi/ml
14-04065-08	TRG	5014 D. FEEZOR LAPEL	11/12/13 16:00	4/9/2014	4/10/2014	14-04065	Gross Beta	LANL MLR-100 Modified	1.34E-12	2.74E-13	3.31E-13	4.43E-13	uCi/ml
14-04065-09	TRG	5895 DRILL RIG OUTSIDE 1	11/13/13 17:00	4/9/2014	4/10/2014	14-04065	Gross Beta	LANL MLR-100 Modified	1.45E-12	2.90E-13	3.53E-13	4.62E-13	uCi/ml
14-04065-10	TRG	5895 DRILL RIG OUTSIDE 2	11/14/13 16:45	4/9/2014	4/10/2014	14-04065	Gross Beta	LANL MLR-100 Modified	1.06E-12	2.44E-13	2.84E-13	4.13E-13	uCi/ml
14-04065-11	TRG	5895 DRILL RIG OUTSIDE 3	11/18/13 16:00	4/9/2014	4/10/2014	14-04065	Gross Beta	LANL MLR-100 Modified	1.14E-12	2.59E-13	3.04E-13	4.36E-13	uCi/ml
14-04065-12	TRG	5895 DRILL RIG OUTSIDE 4	11/19/13 16:00	4/9/2014	4/10/2014	14-04065	Gross Beta	LANL MLR-100 Modified	1.06E-12	2.40E-13	2.81E-13	4.04E-13	uCi/ml
14-04065-13	TRG	6497 D. FEEZOR LAPEL 1	11/07/13 15:30	4/9/2014	4/10/2014	14-04065	Gross Beta	LANL MLR-100 Modified	1.48E-12	3.33E-13	3.90E-13	5.58E-13	uCi/ml
14-04065-14	TRG	6497 D. FEEZOR LAPEL 2	11/08/13 15:00	4/9/2014	4/10/2014	14-04065	Gross Beta	LANL MLR-100 Modified	1.06E-12	3.57E-13	3.86E-13	6.54E-13	uCi/ml
14-04065-15	TRG	6497 S. SCHMIDT LAPEL 1	11/12/13 15:30	4/9/2014	4/10/2014	14-04065	Gross Beta	LANL MLR-100 Modified	1.17E-12	2.68E-13	3.13E-13	4.46E-13	uCi/ml
14-04065-16	TRG	6497 S. SCHMIDT LAPEL 2	11/13/13 15:15	4/9/2014	4/10/2014	14-04065	Gross Beta	LANL MLR-100 Modified	1.17E-12	2.81E-13	3.24E-13	4.77E-13	uCi/ml
14-04065-17	TRG	6497 S. SCHMIDT LAPEL 3	11/14/13 16:00	4/9/2014	4/10/2014	14-04065	Gross Beta	LANL MLR-100 Modified	1.02E-12	2.54E-13	2.91E-13	4.35E-13	uCi/ml
14-04065-18	TRG	6497 DRILL RIG OUTSIDE 1	11/15/13 16:30	4/9/2014	4/10/2014	14-04065	Gross Beta	LANL MLR-100 Modified	1.22E-12	2.72E-13	3.20E-13	4.51E-13	uCi/ml
14-04065-19	TRG	6497 DRILL RIG OUTSIDE 2	11/19/13 16:56	4/9/2014	4/10/2014	14-04065	Gross Beta	LANL MLR-100 Modified	9.15E-13	2.54E-13	2.84E-13	4.54E-13	uCi/ml
14-04065-20	TRG	6497 DRILL RIG OUTSIDE 3	11/21/13 16:30	4/9/2014	4/10/2014	14-04065	Gross Beta	LANL MLR-100 Modified	1.03E-12	2.65E-13	3.00E-13	4.63E-13	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:					
			Dan Feezor					SDG:	14-04065 Revised				
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1				
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL				
			Chatham, IL 62629					Sample Matrix:	AF				
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units
14-04065-01	LCS	KNOWN	04/09/14 00:00	4/9/2014	4/16/2014	14-04065	Thorium-228	EML Th-01 Modified	4.85E-06	1.74E-07			uCi/ml
14-04065-01	LCS	SPIKE	04/09/14 00:00	4/9/2014	4/16/2014	14-04065	Thorium-228	EML Th-01 Modified	4.44E-06	1.01E-06	1.09E-06	2.27E-07	uCi/ml
14-04065-02	MBL	BLANK	04/09/14 00:00	4/9/2014	4/16/2014	14-04065	Thorium-228	EML Th-01 Modified	-4.31E-15	1.79E-14	1.79E-14	5.78E-14	uCi/ml
14-04065-03	DUP	2983 DRILL RIG OUTSIDE 1	11/19/13 17:00	4/9/2014	4/16/2014	14-04065	Thorium-228	EML Th-01 Modified	4.39E-14	6.27E-14	6.28E-14	1.05E-13	uCi/ml
14-04065-04	DO	2983 DRILL RIG OUTSIDE 1	11/19/13 17:00	4/9/2014	4/16/2014	14-04065	Thorium-228	EML Th-01 Modified	4.22E-14	4.94E-14	4.96E-14	7.49E-14	uCi/ml
14-04065-05	TRG	2983 DRILL RIG OUTSIDE 2	11/20/13 12:00	4/9/2014	4/16/2014	14-04065	Thorium-228	EML Th-01 Modified	2.68E-13	1.87E-13	1.89E-13	1.80E-13	uCi/ml
14-04065-06	TRG	2983 DRILL RIG OUTSIDE 3	11/25/13 12:30	4/9/2014	4/16/2014	14-04065	Thorium-228	EML Th-01 Modified	3.05E-14	2.28E-14	2.29E-14	2.07E-14	uCi/ml
14-04065-07	TRG	5014 S. SCHMIDT LAPEL	11/08/13 15:00	4/9/2014	4/16/2014	14-04065	Thorium-228	EML Th-01 Modified	1.62E-13	1.33E-13	1.34E-13	1.46E-13	uCi/ml
14-04065-08	TRG	5014 D. FEEZOR LAPEL	11/12/13 16:00	4/9/2014	4/16/2014	14-04065	Thorium-228	EML Th-01 Modified	2.46E-13	1.48E-13	1.50E-13	1.03E-13	uCi/ml
14-04065-09	TRG	5895 DRILL RIG OUTSIDE 1	11/13/13 17:00	4/9/2014	4/16/2014	14-04065	Thorium-228	EML Th-01 Modified	1.65E-13	1.12E-13	1.13E-13	9.14E-14	uCi/ml
14-04065-10	TRG	5895 DRILL RIG OUTSIDE 2	11/14/13 16:45	4/9/2014	4/16/2014	14-04065	Thorium-228	EML Th-01 Modified	1.36E-13	1.38E-13	1.39E-13	1.59E-13	uCi/ml
14-04065-11	TRG	5895 DRILL RIG OUTSIDE 3	11/18/13 16:00	4/9/2014	4/16/2014	14-04065	Thorium-228	EML Th-01 Modified	2.72E-13	2.38E-13	2.40E-13	1.94E-13	uCi/ml
14-04065-12	TRG	5895 DRILL RIG OUTSIDE 4	11/19/13 16:00	4/9/2014	4/16/2014	14-04065	Thorium-228	EML Th-01 Modified	1.57E-13	9.99E-14	1.01E-13	8.40E-14	uCi/ml
14-04065-13	TRG	6497 D. FEEZOR LAPEL 1	11/07/13 15:30	4/9/2014	4/16/2014	14-04065	Thorium-228	EML Th-01 Modified	2.95E-13	1.97E-13	1.99E-13	1.61E-13	uCi/ml
14-04065-14	TRG	6497 D. FEEZOR LAPEL 2	11/08/13 15:00	4/9/2014	4/16/2014	14-04065	Thorium-228	EML Th-01 Modified	2.31E-13	1.48E-13	1.49E-13	1.24E-13	uCi/ml
14-04065-15	TRG	6497 S. SCHMIDT LAPEL 1	11/12/13 15:30	4/9/2014	4/16/2014	14-04065	Thorium-228	EML Th-01 Modified	2.07E-13	1.45E-13	1.46E-13	1.39E-13	uCi/ml
14-04065-16	TRG	6497 S. SCHMIDT LAPEL 2	11/13/13 15:15	4/9/2014	4/16/2014	14-04065	Thorium-228	EML Th-01 Modified	1.46E-13	1.23E-13	1.23E-13	1.58E-13	uCi/ml
14-04065-17	TRG	6497 S. SCHMIDT LAPEL 3	11/14/13 16:00	4/9/2014	4/16/2014	14-04065	Thorium-228	EML Th-01 Modified	1.96E-13	1.15E-13	1.17E-13	8.92E-14	uCi/ml
14-04065-18	TRG	6497 DRILL RIG OUTSIDE 1	11/15/13 16:30	4/9/2014	4/16/2014	14-04065	Thorium-228	EML Th-01 Modified	1.54E-13	9.78E-14	9.89E-14	8.28E-14	uCi/ml
14-04065-19	TRG	6497 DRILL RIG OUTSIDE 2	11/19/13 16:56	4/9/2014	4/16/2014	14-04065	Thorium-228	EML Th-01 Modified	1.08E-13	8.66E-14	8.72E-14	7.73E-14	uCi/ml
14-04065-20	TRG	6497 DRILL RIG OUTSIDE 3	11/21/13 16:30	4/9/2014	4/16/2014	14-04065	Thorium-228	EML Th-01 Modified	1.90E-13	1.18E-13	1.20E-13	8.68E-14	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:					
			Dan Feezor					SDG:	14-04065 Revised				
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1				
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL				
			Chatham, IL 62629					Sample Matrix:	AF				
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units
14-04065-01	LCS	KNOWN	04/09/14 00:00	4/9/2014	4/16/2014	14-04065	Thorium-230	EML Th-01 Modified	5.43E-06	1.47E-07			uCi/ml
14-04065-01	LCS	SPIKE	04/09/14 00:00	4/9/2014	4/16/2014	14-04065	Thorium-230	EML Th-01 Modified	6.21E-06	1.31E-06	1.52E-06	2.58E-07	uCi/ml
14-04065-02	MBL	BLANK	04/09/14 00:00	4/9/2014	4/16/2014	14-04065	Thorium-230	EML Th-01 Modified	2.98E-14	3.25E-14	3.27E-14	3.89E-14	uCi/ml
14-04065-03	DUP	2983 DRILL RIG OUTSIDE 1	11/16/13 17:00	4/9/2014	4/16/2014	14-04065	Thorium-230	EML Th-01 Modified	9.53E-14	7.25E-14	7.34E-14	8.91E-14	uCi/ml
14-04065-04	DO	2983 DRILL RIG OUTSIDE 1	11/16/13 17:00	4/9/2014	4/16/2014	14-04065	Thorium-230	EML Th-01 Modified	1.53E-13	7.55E-14	7.78E-14	4.45E-14	uCi/ml
14-04065-05	TRG	2983 DRILL RIG OUTSIDE 2	11/20/13 12:00	4/9/2014	4/16/2014	14-04065	Thorium-230	EML Th-01 Modified	5.33E-13	2.46E-13	2.54E-13	1.24E-13	uCi/ml
14-04065-06	TRG	2983 DRILL RIG OUTSIDE 3	11/25/13 12:30	4/9/2014	4/16/2014	14-04065	Thorium-230	EML Th-01 Modified	3.93E-14	2.43E-14	2.48E-14	1.80E-14	uCi/ml
14-04065-07	TRG	5014 S. SCHMIDT LAPEL	11/08/13 15:00	4/9/2014	4/16/2014	14-04065	Thorium-230	EML Th-01 Modified	4.06E-13	1.93E-13	2.00E-13	1.04E-13	uCi/ml
14-04065-08	TRG	5014 D. FEEZOR LAPEL	11/12/13 16:00	4/9/2014	4/16/2014	14-04065	Thorium-230	EML Th-01 Modified	5.25E-13	2.14E-13	2.23E-13	1.01E-13	uCi/ml
14-04065-09	TRG	5895 DRILL RIG OUTSIDE 1	11/13/13 17:00	4/9/2014	4/16/2014	14-04065	Thorium-230	EML Th-01 Modified	4.19E-13	1.75E-13	1.82E-13	8.98E-14	uCi/ml
14-04065-10	TRG	5895 DRILL RIG OUTSIDE 2	11/14/13 16:45	4/9/2014	4/16/2014	14-04065	Thorium-230	EML Th-01 Modified	3.20E-13	2.01E-13	2.05E-13	1.47E-13	uCi/ml
14-04065-11	TRG	5895 DRILL RIG OUTSIDE 3	11/18/13 16:00	4/9/2014	4/16/2014	14-04065	Thorium-230	EML Th-01 Modified	1.47E-13	1.65E-13	1.66E-13	1.92E-13	uCi/ml
14-04065-12	TRG	5895 DRILL RIG OUTSIDE 4	11/19/13 16:00	4/9/2014	4/16/2014	14-04065	Thorium-230	EML Th-01 Modified	1.80E-13	1.01E-13	1.03E-13	7.99E-14	uCi/ml
14-04065-13	TRG	6497 D. FEEZOR LAPEL 1	11/07/13 15:30	4/9/2014	4/16/2014	14-04065	Thorium-230	EML Th-01 Modified	4.31E-13	2.22E-13	2.29E-13	1.17E-13	uCi/ml
14-04065-14	TRG	6497 D. FEEZOR LAPEL 2	11/08/13 15:00	4/9/2014	4/16/2014	14-04065	Thorium-230	EML Th-01 Modified	3.55E-13	1.72E-13	1.78E-13	1.12E-13	uCi/ml
14-04065-15	TRG	6497 S. SCHMIDT LAPEL 1	11/12/13 15:30	4/9/2014	4/16/2014	14-04065	Thorium-230	EML Th-01 Modified	2.87E-13	1.53E-13	1.58E-13	7.57E-14	uCi/ml
14-04065-16	TRG	6497 S. SCHMIDT LAPEL 2	11/13/13 15:15	4/9/2014	4/16/2014	14-04065	Thorium-230	EML Th-01 Modified	2.71E-13	1.38E-13	1.42E-13	8.12E-14	uCi/ml
14-04065-17	TRG	6497 S. SCHMIDT LAPEL 3	11/14/13 16:00	4/9/2014	4/16/2014	14-04065	Thorium-230	EML Th-01 Modified	2.90E-13	1.31E-13	1.36E-13	6.13E-14	uCi/ml
14-04065-18	TRG	6497 DRILL RIG OUTSIDE 1	11/15/13 16:30	4/9/2014	4/16/2014	14-04065	Thorium-230	EML Th-01 Modified	2.08E-13	1.05E-13	1.08E-13	6.25E-14	uCi/ml
14-04065-19	TRG	6497 DRILL RIG OUTSIDE 2	11/19/13 16:56	4/9/2014	4/16/2014	14-04065	Thorium-230	EML Th-01 Modified	2.10E-13	1.17E-13	1.19E-13	8.38E-14	uCi/ml
14-04065-20	TRG	6497 DRILL RIG OUTSIDE 3	11/21/13 16:30	4/9/2014	4/16/2014	14-04065	Thorium-230	EML Th-01 Modified	4.13E-13	1.70E-13	1.77E-13	5.98E-14	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:					
			Dan Feezor					SDG:	14-04065 Revised				
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1				
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL				
			Chatham, IL 62629					Sample Matrix:	AF				
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units
14-04065-01	LCS	KNOWN	04/09/14 00:00	4/9/2014	4/16/2014	14-04065	Thorium-232	EML Th-01 Modified	4.85E-06	1.74E-07			uCi/ml
14-04065-01	LCS	SPIKE	04/09/14 00:00	4/9/2014	4/16/2014	14-04065	Thorium-232	EML Th-01 Modified	4.50E-06	1.02E-06	1.09E-06	1.70E-07	uCi/ml
14-04065-02	MBL	BLANK	04/09/14 00:00	4/9/2014	4/16/2014	14-04065	Thorium-232	EML Th-01 Modified	8.12E-15	2.26E-14	2.26E-14	4.87E-14	uCi/ml
14-04065-03	DUP	2983 DRILL RIG OUTSIDE 1	11/16/13 17:00	4/9/2014	4/16/2014	14-04065	Thorium-232	EML Th-01 Modified	3.24E-14	3.74E-14	3.75E-14	4.86E-14	uCi/ml
14-04065-04	DO	2983 DRILL RIG OUTSIDE 1	11/16/13 17:00	4/9/2014	4/16/2014	14-04065	Thorium-232	EML Th-01 Modified	7.75E-14	5.12E-14	5.17E-14	3.29E-14	uCi/ml
14-04065-05	TRG	2983 DRILL RIG OUTSIDE 2	11/20/13 12:00	4/9/2014	4/16/2014	14-04065	Thorium-232	EML Th-01 Modified	4.69E-13	2.26E-13	2.30E-13	9.87E-14	uCi/ml
14-04065-06	TRG	2983 DRILL RIG OUTSIDE 3	11/25/13 12:30	4/9/2014	4/16/2014	14-04065	Thorium-232	EML Th-01 Modified	4.67E-14	2.72E-14	2.75E-14	2.19E-14	uCi/ml
14-04065-07	TRG	5014 S. SCHMIDT LAPEL	11/08/13 15:00	4/9/2014	4/16/2014	14-04065	Thorium-232	EML Th-01 Modified	1.98E-13	1.34E-13	1.35E-13	1.19E-13	uCi/ml
14-04065-08	TRG	5014 D. FEEZOR LAPEL	11/12/13 16:00	4/9/2014	4/16/2014	14-04065	Thorium-232	EML Th-01 Modified	3.18E-13	1.57E-13	1.60E-13	7.05E-14	uCi/ml
14-04065-09	TRG	5895 DRILL RIG OUTSIDE 1	11/13/13 17:00	4/9/2014	4/16/2014	14-04065	Thorium-232	EML Th-01 Modified	1.32E-13	9.11E-14	9.18E-14	6.24E-14	uCi/ml
14-04065-10	TRG	5895 DRILL RIG OUTSIDE 2	11/14/13 16:45	4/9/2014	4/16/2014	14-04065	Thorium-232	EML Th-01 Modified	1.73E-13	1.42E-13	1.43E-13	1.24E-13	uCi/ml
14-04065-11	TRG	5895 DRILL RIG OUTSIDE 3	11/18/13 16:00	4/9/2014	4/16/2014	14-04065	Thorium-232	EML Th-01 Modified	2.74E-13	2.24E-13	2.25E-13	1.68E-13	uCi/ml
14-04065-12	TRG	5895 DRILL RIG OUTSIDE 4	11/19/13 16:00	4/9/2014	4/16/2014	14-04065	Thorium-232	EML Th-01 Modified	1.92E-13	1.01E-13	1.03E-13	5.05E-14	uCi/ml
14-04065-13	TRG	6497 D. FEEZOR LAPEL 1	11/07/13 15:30	4/9/2014	4/16/2014	14-04065	Thorium-232	EML Th-01 Modified	2.84E-13	1.76E-13	1.78E-13	1.17E-13	uCi/ml
14-04065-14	TRG	6497 D. FEEZOR LAPEL 2	11/08/13 15:00	4/9/2014	4/16/2014	14-04065	Thorium-232	EML Th-01 Modified	1.20E-13	1.15E-13	1.15E-13	1.61E-13	uCi/ml
14-04065-15	TRG	6497 S. SCHMIDT LAPEL 1	11/12/13 15:30	4/9/2014	4/16/2014	14-04065	Thorium-232	EML Th-01 Modified	8.09E-14	9.03E-14	9.05E-14	1.29E-13	uCi/ml
14-04065-16	TRG	6497 S. SCHMIDT LAPEL 2	11/13/13 15:15	4/9/2014	4/16/2014	14-04065	Thorium-232	EML Th-01 Modified	1.06E-13	8.26E-14	8.31E-14	6.45E-14	uCi/ml
14-04065-17	TRG	6497 S. SCHMIDT LAPEL 3	11/14/13 16:00	4/9/2014	4/16/2014	14-04065	Thorium-232	EML Th-01 Modified	4.68E-14	5.12E-14	5.13E-14	6.12E-14	uCi/ml
14-04065-18	TRG	6497 DRILL RIG OUTSIDE 1	11/15/13 16:30	4/9/2014	4/16/2014	14-04065	Thorium-232	EML Th-01 Modified	1.51E-13	8.78E-14	8.88E-14	5.68E-14	uCi/ml
14-04065-19	TRG	6497 DRILL RIG OUTSIDE 2	11/19/13 16:56	4/9/2014	4/16/2014	14-04065	Thorium-232	EML Th-01 Modified	1.51E-13	9.52E-14	9.61E-14	5.82E-14	uCi/ml
14-04065-20	TRG	6497 DRILL RIG OUTSIDE 3	11/21/13 16:30	4/9/2014	4/16/2014	14-04065	Thorium-232	EML Th-01 Modified	1.21E-13	8.75E-14	8.82E-14	7.50E-14	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original



FROM: Cecilia Greene

TO: Mr. Dan Feezor, Feezor Engineering

CC: Mr. Paul Rosasco

DATE: 07/22/2014

RE: Transmittal of Validated Results for Eberline Work Order 14-04065

Eberline Services of Oak Ridge, TN has completed their analysis of the Phase 1 air samples in Eberline Work Order 14-04065. The validated results are summarized in Table 1.

The laboratory quality control samples were validated using MARLAP criteria. All laboratory control samples fell within acceptable control limits.

A complete verification of all of the laboratory calculations was performed. 100% of the calculated results were within $\pm 10\%$ of the laboratory results.

The full laboratory Level IV report of analysis will be retained at Auxier & Associates offices in Knoxville, TN where it is available for inspection upon request. Should you require additional information or further clarification, please contact me or Mr. Michael Bollenbacher at (865) 675-3669.

Sincerely,

Cecilia Greene, MPH, NRRPT
Auxier & Associates, Inc.
9821 Cogdill Road, Suite 1
Knoxville, TN 37932

cgreene@auxier.com
(865) 675-3669 office
(865) 675-3677 fax
(865) 621-3076 cell

Health Physics and Environmental Radiation Consulting
A USA Environment, L.P. Company

Sample ID	Gross Alpha ($\mu\text{Ci/ml}$)	Gross Beta ($\mu\text{Ci/ml}$)
Analytical Method	LANL MLR-100 Modified	LANL MLR-100 Modified
2983 DRILL RIG OUTSIDE 1	< 2.75E-13 (1.54E-13 \pm 4.69E-14) {-}	1.02E-12 \pm 1.68E-13 {-}
2983 DRILL RIG OUTSIDE 2	< 1.74E-12 (3.04E-14 \pm 1.52E-13) {U}	< 2.46E-12 (1.59E-12 \pm 4.57E-13) {UQ}
2983 DRILL RIG OUTSIDE 3	< 1.77E-13 (1.00E-13 \pm 3.09E-14) {-}	7.06E-13 \pm 1.15E-13 {-}
5014 D. FEEZOR LAPEL	< 1.18E-12 (9.04E-14 \pm 7.74E-14) {U}	< 1.52E-12 (1.34E-12 \pm 3.31E-13) {U}
5014 S. SCHMIDT LAPEL	< 1.51E-13 (2.78E-15 \pm 1.02E-14) {U}	< 2.20E-13 (1.69E-13 \pm 4.46E-14) {U}
5895 DRILL RIG OUTSIDE 1	< 1.28E-12 (-1.14E-14 \pm 9.75E-14) {U}	< 1.57E-12 (1.45E-12 \pm 3.53E-13) {U}
5895 DRILL RIG OUTSIDE 2	< 9.90E-13 (8.97E-15 \pm 7.25E-14) {U}	< 1.44E-12 (1.06E-12 \pm 2.84E-13) {UQ}
5895 DRILL RIG OUTSIDE 3	< 1.12E-12 (-9.83E-15 \pm 9.24E-14) {U}	< 1.51E-12 (1.14E-12 \pm 3.04E-13) {UQ}
5895 DRILL RIG OUTSIDE 4	< 9.70E-13 (6.15E-14 \pm 8.28E-14) {U}	< 1.41E-12 (1.06E-12 \pm 2.81E-13) {UQ}
6497 D. FEEZOR LAPEL 1	< 1.44E-12 (1.13E-13 \pm 1.42E-13) {U}	< 1.94E-12 (1.48E-12 \pm 3.90E-13) {UQ}
6497 D. FEEZOR LAPEL 2	< 1.51E-12 (2.89E-14 \pm 6.93E-14) {U}	< 2.32E-12 (1.06E-12 \pm 3.86E-13) {UQ}
6497 DRILL RIG OUTSIDE 1	< 1.16E-12 (4.35E-14 \pm 7.40E-14) {U}	< 1.55E-12 (1.22E-12 \pm 3.20E-13) {UQ}
6497 DRILL RIG OUTSIDE 2	< 9.79E-13 (6.32E-14 \pm 7.75E-14) {U}	< 1.63E-12 (9.15E-13 \pm 2.84E-13) {UQ}
6497 DRILL RIG OUTSIDE 3	< 1.15E-12 (5.01E-14 \pm 1.06E-13) {U}	< 1.64E-12 (1.03E-12 \pm 3.00E-13) {UQ}
6497 S. SCHMIDT LAPEL 1	< 1.17E-12 (1.12E-13 \pm 8.28E-14) {U}	< 1.53E-12 (1.17E-12 \pm 3.13E-13) {UQ}
6497 S. SCHMIDT LAPEL 2	< 1.22E-12 (3.33E-14 \pm 9.48E-14) {U}	< 1.66E-12 (1.17E-12 \pm 3.24E-13) {UQ}
6497 S. SCHMIDT LAPEL 3	< 1.08E-12 (4.99E-14 \pm 8.08E-14) {U}	< 1.51E-12 (1.02E-12 \pm 2.91E-13) {UQ}

U - Result is less than the Critical Value

Q - Measurement Combined Standard Uncertainty > Required Method Uncertainty

J - Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

Sample ID	Thorium-228 ($\mu\text{Ci/ml}$)	Thorium-230 ($\mu\text{Ci/ml}$)	Thorium-232 ($\mu\text{Ci/ml}$)
Analytical Method	EML Th-01 Modified	EML Th-01 Modified	EML Th-01 Modified
2983 DRILL RIG OUTSIDE 1	$4.22\text{E-}14 \pm 4.96\text{E-}14 \{-\}$	$1.53\text{E-}13 \pm 7.78\text{E-}14 \{-\}$	$7.75\text{E-}14 \pm 5.17\text{E-}14 \{-\}$
2983 DRILL RIG OUTSIDE 2	$2.68\text{E-}13 \pm 1.89\text{E-}13 \{-\}$	$5.33\text{E-}13 \pm 2.54\text{E-}13 \{-\}$	$4.69\text{E-}13 \pm 2.30\text{E-}13 \{Q\}$
2983 DRILL RIG OUTSIDE 3	$3.05\text{E-}14 \pm 2.29\text{E-}14 \{-\}$	$3.93\text{E-}14 \pm 2.48\text{E-}14 \{-\}$	$4.67\text{E-}14 \pm 2.75\text{E-}14 \{-\}$
5014 D. FEEZOR LAPEL	$2.46\text{E-}13 \pm 1.50\text{E-}13 \{-\}$	$5.25\text{E-}13 \pm 2.23\text{E-}13 \{-\}$	$3.18\text{E-}13 \pm 1.60\text{E-}13 \{-\}$
5014 S. SCHMIDT LAPEL	$1.62\text{E-}13 \pm 1.34\text{E-}13 \{-\}$	$4.06\text{E-}13 \pm 2.00\text{E-}13 \{-\}$	$1.98\text{E-}13 \pm 1.35\text{E-}13 \{-\}$
5895 DRILL RIG OUTSIDE 1	$1.65\text{E-}13 \pm 1.13\text{E-}13 \{-\}$	$4.19\text{E-}13 \pm 1.82\text{E-}13 \{-\}$	$1.32\text{E-}13 \pm 9.18\text{E-}14 \{-\}$
5895 DRILL RIG OUTSIDE 2	$1.36\text{E-}13 \pm 1.39\text{E-}13 \{-\}$	$3.20\text{E-}13 \pm 2.05\text{E-}13 \{-\}$	$1.73\text{E-}13 \pm 1.43\text{E-}13 \{-\}$
5895 DRILL RIG OUTSIDE 3	$2.72\text{E-}13 \pm 2.40\text{E-}13 \{-\}$	$1.47\text{E-}13 \pm 1.66\text{E-}13 \{-\}$	$2.74\text{E-}13 \pm 2.25\text{E-}13 \{Q\}$
5895 DRILL RIG OUTSIDE 4	$1.57\text{E-}13 \pm 1.01\text{E-}13 \{-\}$	$1.80\text{E-}13 \pm 1.03\text{E-}13 \{-\}$	$1.92\text{E-}13 \pm 1.03\text{E-}13 \{-\}$
6497 D. FEEZOR LAPEL 1	$2.95\text{E-}13 \pm 1.99\text{E-}13 \{-\}$	$4.31\text{E-}13 \pm 2.29\text{E-}13 \{-\}$	$2.84\text{E-}13 \pm 1.78\text{E-}13 \{-\}$
6497 D. FEEZOR LAPEL 2	$2.31\text{E-}13 \pm 1.49\text{E-}13 \{-\}$	$3.55\text{E-}13 \pm 1.78\text{E-}13 \{-\}$	$< 1.51\text{E-}13 (1.20\text{E-}13 \pm 1.15\text{E-}13) \{U\}$
6497 DRILL RIG OUTSIDE 1	$1.54\text{E-}13 \pm 9.89\text{E-}14 \{-\}$	$2.08\text{E-}13 \pm 1.08\text{E-}13 \{-\}$	$1.51\text{E-}13 \pm 8.88\text{E-}14 \{-\}$
6497 DRILL RIG OUTSIDE 2	$1.08\text{E-}13 \pm 8.72\text{E-}14 \{-\}$	$2.10\text{E-}13 \pm 1.19\text{E-}13 \{-\}$	$1.51\text{E-}13 \pm 9.61\text{E-}14 \{-\}$
6497 DRILL RIG OUTSIDE 3	$1.90\text{E-}13 \pm 1.20\text{E-}13 \{-\}$	$4.13\text{E-}13 \pm 1.77\text{E-}13 \{-\}$	$1.21\text{E-}13 \pm 8.82\text{E-}14 \{-\}$
6497 S. SCHMIDT LAPEL 1	$2.07\text{E-}13 \pm 1.46\text{E-}13 \{-\}$	$2.87\text{E-}13 \pm 1.58\text{E-}13 \{-\}$	$< 1.24\text{E-}13 (8.09\text{E-}14 \pm 9.05\text{E-}14) \{U\}$
6497 S. SCHMIDT LAPEL 2	$1.46\text{E-}13 \pm 1.23\text{E-}13 \{-\}$	$2.71\text{E-}13 \pm 1.42\text{E-}13 \{-\}$	$1.06\text{E-}13 \pm 8.31\text{E-}14 \{-\}$
6497 S. SCHMIDT LAPEL 3	$1.96\text{E-}13 \pm 1.17\text{E-}13 \{-\}$	$2.90\text{E-}13 \pm 1.36\text{E-}13 \{-\}$	$< 7.19\text{E-}14 (4.68\text{E-}14 \pm 5.13\text{E-}14) \{U\}$

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

Eberline Analytical Final Report of Analysis								Report To:		Work Order Details:				
								Dan Feezor		SDG:	14-04066 Revised			
								Feezor Engineering, Inc.		Purchase Order:	BT-026-PO1			
								406 East Walnut Street		Analysis Category:	ENVIRONMENTAL			
Chatham, IL 62629										Sample Matrix:	WA			
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units	
14-04066-01	LCS	KNOWN	04/10/14 00:00	4/9/2014	4/10/2014	14-04066	Gross Alpha	LANL MLR-100 Modified	3.17E-04	1.36E-05			uCi/ml	
14-04066-01	LCS	SPIKE	04/10/14 00:00	4/9/2014	4/10/2014	14-04066	Gross Alpha	LANL MLR-100 Modified	2.73E-04	7.40E-06	3.08E-05	4.88E-07	uCi/ml	
14-04066-02	MBL	BLANK	04/10/14 00:00	4/9/2014	4/10/2014	14-04066	Gross Alpha	LANL MLR-100 Modified	-6.28E-14	9.53E-14	9.55E-14	2.64E-13	uCi/ml	
14-04066-03	DUP	6497 DRILL RIG OUTSIDE 1	11/22/13 17:00	4/9/2014	4/10/2014	14-04066	Gross Alpha	LANL MLR-100 Modified	1.80E-14	8.28E-14	8.28E-14	1.89E-13	uCi/ml	
14-04066-04	DO	6497 DRILL RIG OUTSIDE 1	11/22/13 17:00	4/9/2014	4/11/2014	14-04066	Gross Alpha	LANL MLR-100 Modified	8.89E-15	7.19E-14	7.19E-14	1.70E-13	uCi/ml	
14-04066-05	TRG	6497 DRILL RIG OUTSIDE 2	11/23/13 16:30	4/9/2014	4/10/2014	14-04066	Gross Alpha	LANL MLR-100 Modified	4.85E-14	6.86E-14	6.88E-14	1.40E-13	uCi/ml	
14-04066-06	TRG	6497 DRILL RIG OUTSIDE 3	11/24/13 14:52	4/9/2014	4/10/2014	14-04066	Gross Alpha	LANL MLR-100 Modified	-2.24E-14	1.03E-13	1.03E-13	2.54E-13	uCi/ml	
14-04066-07	TRG	6497 DRILL RIG OUTSIDE 4	11/15/13 12:05	4/9/2014	4/10/2014	14-04066	Gross Alpha	LANL MLR-100 Modified	1.87E-14	1.97E-13	1.97E-13	4.54E-13	uCi/ml	
14-04066-08	TRG	15184 D LAWRENCE LAPEL	10/30/13 16:00	4/9/2014	4/10/2014	14-04066	Gross Alpha	LANL MLR-100 Modified	6.08E-14	9.83E-14	9.85E-14	2.06E-13	uCi/ml	
14-04066-09	TRG	15184 S SCHMIDT LAPEL	11/01/13 15:30	4/9/2014	4/10/2014	14-04066	Gross Alpha	LANL MLR-100 Modified	1.32E-13	1.04E-13	1.05E-13	1.62E-13	uCi/ml	
14-04066-10	TRG	15184 D FEEZOR LAPEL	11/04/13 15:45	4/9/2014	4/10/2014	14-04066	Gross Alpha	LANL MLR-100 Modified	8.67E-14	1.26E-13	1.27E-13	2.60E-13	uCi/ml	
14-04066-11	TRG	15184 S SCHMIDT LAPEL 2	11/05/13 16:00	4/9/2014	4/10/2014	14-04066	Gross Alpha	LANL MLR-100 Modified	-1.22E-14	9.23E-14	9.23E-14	2.32E-13	uCi/ml	
14-04066-13	TRG	15200 S SCHMIDT LAPEL	10/30/13 16:00	4/9/2014	4/10/2014	14-04066	Gross Alpha	LANL MLR-100 Modified	1.26E-14	1.24E-13	1.24E-13	2.87E-13	uCi/ml	
14-04066-14	TRG	15200 D FEEZOR LAPEL	11/01/13 15:30	4/9/2014	4/10/2014	14-04066	Gross Alpha	LANL MLR-100 Modified	4.14E-14	7.15E-14	7.16E-14	1.52E-13	uCi/ml	
14-04066-15	TRG	15200 S SCHMIDT LAPEL 2	11/04/13 15:45	4/9/2014	4/10/2014	14-04066	Gross Alpha	LANL MLR-100 Modified	1.60E-13	1.11E-13	1.12E-13	1.61E-13	uCi/ml	
14-04066-16	TRG	800885 D FEEZOR LAPEL	11/05/13 16:00	4/9/2014	4/10/2014	14-04066	Gross Alpha	LANL MLR-100 Modified	8.18E-14	1.10E-13	1.10E-13	2.23E-13	uCi/ml	
14-04066-01	LCS	KNOWN	04/10/14 00:00	4/9/2014	4/10/2014	14-04066	Gross Beta	LANL MLR-100 Modified	2.19E-04	6.58E-06			uCi/ml	
14-04066-01	LCS	SPIKE	04/10/14 00:00	4/9/2014	4/10/2014	14-04066	Gross Beta	LANL MLR-100 Modified	2.57E-04	6.05E-06	3.61E-05	8.05E-07	uCi/ml	
14-04066-02	MBL	BLANK	04/10/14 00:00	4/9/2014	4/10/2014	14-04066	Gross Beta	LANL MLR-100 Modified	3.60E-13	3.01E-13	3.05E-13	6.06E-13	uCi/ml	
14-04066-03	DUP	6497 DRILL RIG OUTSIDE 1	11/22/13 17:00	4/9/2014	4/10/2014	14-04066	Gross Beta	LANL MLR-100 Modified	6.35E-13	2.32E-13	2.48E-13	4.33E-13	uCi/ml	
14-04066-04	DO	6497 DRILL RIG OUTSIDE 1	11/22/13 17:00	4/9/2014	4/11/2014	14-04066	Gross Beta	LANL MLR-100 Modified	1.25E-12	2.63E-13	3.15E-13	4.44E-13	uCi/ml	
14-04066-05	TRG	6497 DRILL RIG OUTSIDE 2	11/23/13 16:30	4/9/2014	4/10/2014	14-04066	Gross Beta	LANL MLR-100 Modified	7.58E-13	2.63E-13	2.83E-13	4.88E-13	uCi/ml	
14-04066-06	TRG	6497 DRILL RIG OUTSIDE 3	11/24/13 14:52	4/9/2014	4/10/2014	14-04066	Gross Beta	LANL MLR-100 Modified	1.35E-12	3.03E-13	3.56E-13	5.14E-13	uCi/ml	
14-04066-07	TRG	6497 DRILL RIG OUTSIDE 4	11/15/13 12:05	4/9/2014	4/10/2014	14-04066	Gross Beta	LANL MLR-100 Modified	2.09E-12	5.10E-13	5.86E-13	8.83E-13	uCi/ml	
14-04066-08	TRG	15184 D LAWRENCE LAPEL	10/30/13 16:00	4/9/2014	4/10/2014	14-04066	Gross Beta	LANL MLR-100 Modified	1.27E-12	3.23E-13	3.68E-13	5.55E-13	uCi/ml	
14-04066-09	TRG	15184 S SCHMIDT LAPEL	11/01/13 15:30	4/9/2014	4/10/2014	14-04066	Gross Beta	LANL MLR-100 Modified	1.72E-12	3.55E-13	4.27E-13	5.74E-13	uCi/ml	
14-04066-10	TRG	15184 D FEEZOR LAPEL	11/04/13 15:45	4/9/2014	4/10/2014	14-04066	Gross Beta	LANL MLR-100 Modified	1.50E-12	3.12E-13	3.75E-13	5.01E-13	uCi/ml	
14-04066-11	TRG	15184 S SCHMIDT LAPEL 2	11/05/13 16:00	4/9/2014	4/10/2014	14-04066	Gross Beta	LANL MLR-100 Modified	1.68E-12	3.41E-13	4.13E-13	5.60E-13	uCi/ml	
14-04066-13	TRG	15200 S SCHMIDT LAPEL	10/30/13 16:00	4/9/2014	4/10/2014	14-04066	Gross Beta	LANL MLR-100 Modified	1.33E-12	3.27E-13	3.75E-13	5.60E-13	uCi/ml	
14-04066-14	TRG	15200 D FEEZOR LAPEL	11/01/13 15:30	4/9/2014	4/10/2014	14-04066	Gross Beta	LANL MLR-100 Modified	1.11E-12	3.46E-13	3.78E-13	6.25E-13	uCi/ml	
14-04066-15	TRG	15200 S SCHMIDT LAPEL 2	11/04/13 15:45	4/9/2014	4/10/2014	14-04066	Gross Beta	LANL MLR-100 Modified	1.75E-12	3.60E-13	4.33E-13	5.82E-13	uCi/ml	
14-04066-16	TRG	800885 D FEEZOR LAPEL	11/05/13 16:00	4/9/2014	4/10/2014	14-04066	Gross Beta	LANL MLR-100 Modified	1.72E-12	3.17E-13	3.96E-13	5.03E-13	uCi/ml	
14-04066-01	LCS	KNOWN	04/10/14 00:00	4/9/2014	4/16/2014	14-04066	Thorium-228	EML Th-01 Modified	4.82E-06	1.74E-07			uCi/ml	

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:					
			Dan Feezor Feezor Engineering, Inc. 406 East Walnut Street Chatham, IL 62629					SDG:	14-04066 Revised				
								Purchase Order:	BT-026-PO1				
								Analysis Category:	ENVIRONMENTAL				
								Sample Matrix:	WA				
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units
14-04066-01	LCS	SPIKE	04/10/14 00:00	4/9/2014	4/16/2014	14-04066	Thorium-228	EML Th-01 Modified	5.14E-06	8.89E-07	1.01E-06	1.05E-07	uCi/ml
14-04066-02	MBL	BLANK	04/10/14 00:00	4/9/2014	4/16/2014	14-04066	Thorium-228	EML Th-01 Modified	4.02E-14	5.60E-14	5.61E-14	8.46E-14	uCi/ml
14-04066-03	DUP	6497 DRILL RIG OUTSIDE 1	11/22/13 17:00	4/9/2014	4/16/2014	14-04066	Thorium-228	EML Th-01 Modified	2.85E-13	2.06E-13	2.07E-13	2.00E-13	uCi/ml
14-04066-04	DO	6497 DRILL RIG OUTSIDE 1	11/22/13 17:00	4/9/2014	4/16/2014	14-04066	Thorium-228	EML Th-01 Modified	4.11E-14	7.85E-14	7.86E-14	1.45E-13	uCi/ml
14-04066-05	TRG	6497 DRILL RIG OUTSIDE 2	11/23/13 16:30	4/9/2014	4/16/2014	14-04066	Thorium-228	EML Th-01 Modified	2.58E-13	1.41E-13	1.43E-13	7.25E-14	uCi/ml
14-04066-06	TRG	6497 DRILL RIG OUTSIDE 3	11/24/13 14:52	4/9/2014	4/16/2014	14-04066	Thorium-228	EML Th-01 Modified	1.86E-13	1.24E-13	1.26E-13	1.09E-13	uCi/ml
14-04066-07	TRG	6497 DRILL RIG OUTSIDE 4	11/25/13 12:05	4/9/2014	4/16/2014	14-04066	Thorium-228	EML Th-01 Modified	2.66E-13	1.84E-13	1.86E-13	1.61E-13	uCi/ml
14-04066-08	TRG	15184 D LAWRENCE LAPEL	10/30/13 16:00	4/9/2014	4/16/2014	14-04066	Thorium-228	EML Th-01 Modified	1.17E-13	1.02E-13	1.02E-13	1.14E-13	uCi/ml
14-04066-09	TRG	15184 S SCHMIDT LAPEL	11/01/13 15:30	4/9/2014	4/16/2014	14-04066	Thorium-228	EML Th-01 Modified	2.69E-13	1.62E-13	1.64E-13	1.38E-13	uCi/ml
14-04066-10	TRG	15184 D FEEZOR LAPEL	11/04/13 15:45	4/9/2014	4/16/2014	14-04066	Thorium-228	EML Th-01 Modified	2.67E-13	1.69E-13	1.71E-13	1.78E-13	uCi/ml
14-04066-11	TRG	15184 S SCHMIDT LAPEL 2	11/05/13 16:00	4/9/2014	4/16/2014	14-04066	Thorium-228	EML Th-01 Modified	6.72E-14	8.61E-14	8.63E-14	1.28E-13	uCi/ml
14-04066-13	TRG	15200 S SCHMIDT LAPEL	10/30/13 16:00	4/9/2014	4/16/2014	14-04066	Thorium-228	EML Th-01 Modified	2.24E-13	1.59E-13	1.61E-13	1.47E-13	uCi/ml
14-04066-14	TRG	15200 D FEEZOR LAPEL	11/01/13 15:30	4/9/2014	4/16/2014	14-04066	Thorium-228	EML Th-01 Modified	2.20E-13	1.40E-13	1.41E-13	9.86E-14	uCi/ml
14-04066-15	TRG	15200 S SCHMIDT LAPEL 2	11/04/13 15:45	4/9/2014	4/16/2014	14-04066	Thorium-228	EML Th-01 Modified	3.14E-13	2.90E-13	2.92E-13	3.00E-13	uCi/ml
14-04066-16	TRG	800885 D FEEZOR LAPEL	11/05/13 16:00	4/9/2014	4/16/2014	14-04066	Thorium-228	EML Th-01 Modified	2.26E-13	1.71E-13	1.73E-13	1.66E-13	uCi/ml
14-04066-01	LCS	KNOWN	04/10/14 00:00	4/9/2014	4/16/2014	14-04066	Thorium-230	EML Th-01 Modified	5.47E-06	1.48E-07			uCi/ml
14-04066-01	LCS	SPIKE	04/10/14 00:00	4/9/2014	4/16/2014	14-04066	Thorium-230	EML Th-01 Modified	5.37E-06	9.20E-07	1.14E-06	8.80E-08	uCi/ml
14-04066-02	MBL	BLANK	04/10/14 00:00	4/9/2014	4/16/2014	14-04066	Thorium-230	EML Th-01 Modified	8.07E-14	7.88E-14	7.95E-14	9.68E-14	uCi/ml
14-04066-03	DUP	6497 DRILL RIG OUTSIDE 1	11/22/13 17:00	4/9/2014	4/16/2014	14-04066	Thorium-230	EML Th-01 Modified	4.26E-13	2.31E-13	2.37E-13	1.44E-13	uCi/ml
14-04066-04	DO	6497 DRILL RIG OUTSIDE 1	11/22/13 17:00	4/9/2014	4/16/2014	14-04066	Thorium-230	EML Th-01 Modified	3.19E-13	1.85E-13	1.90E-13	1.35E-13	uCi/ml
14-04066-05	TRG	6497 DRILL RIG OUTSIDE 2	11/23/13 16:30	4/9/2014	4/16/2014	14-04066	Thorium-230	EML Th-01 Modified	1.76E-13	1.08E-13	1.10E-13	7.21E-14	uCi/ml
14-04066-06	TRG	6497 DRILL RIG OUTSIDE 3	11/24/13 14:52	4/9/2014	4/16/2014	14-04066	Thorium-230	EML Th-01 Modified	3.30E-13	1.59E-13	1.64E-13	1.05E-13	uCi/ml
14-04066-07	TRG	6497 DRILL RIG OUTSIDE 4	11/15/13 12:05	4/9/2014	4/16/2014	14-04066	Thorium-230	EML Th-01 Modified	3.14E-13	1.85E-13	1.89E-13	1.19E-13	uCi/ml
14-04066-08	TRG	15184 D LAWRENCE LAPEL	10/30/13 16:00	4/9/2014	4/16/2014	14-04066	Thorium-230	EML Th-01 Modified	1.45E-13	1.04E-13	1.06E-13	1.02E-13	uCi/ml
14-04066-09	TRG	15184 S SCHMIDT LAPEL	11/01/13 15:30	4/9/2014	4/16/2014	14-04066	Thorium-230	EML Th-01 Modified	3.36E-13	1.64E-13	1.69E-13	7.44E-14	uCi/ml
14-04066-10	TRG	15184 D FEEZOR LAPEL	11/04/13 15:45	4/9/2014	4/16/2014	14-04066	Thorium-230	EML Th-01 Modified	4.07E-13	1.83E-13	1.89E-13	9.09E-14	uCi/ml
14-04066-11	TRG	15184 S SCHMIDT LAPEL 2	11/05/13 16:00	4/9/2014	4/16/2014	14-04066	Thorium-230	EML Th-01 Modified	4.12E-13	1.88E-13	1.94E-13	8.70E-14	uCi/ml
14-04066-13	TRG	15200 S SCHMIDT LAPEL	10/30/13 16:00	4/9/2014	4/16/2014	14-04066	Thorium-230	EML Th-01 Modified	4.26E-13	2.04E-13	2.11E-13	1.09E-13	uCi/ml
14-04066-14	TRG	15200 D FEEZOR LAPEL	11/01/13 15:30	4/9/2014	4/16/2014	14-04066	Thorium-230	EML Th-01 Modified	4.20E-13	1.87E-13	1.94E-13	1.05E-13	uCi/ml
14-04066-15	TRG	15200 S SCHMIDT LAPEL 2	11/04/13 15:45	4/9/2014	4/16/2014	14-04066	Thorium-230	EML Th-01 Modified	7.71E-13	4.39E-13	4.49E-13	2.03E-13	uCi/ml
14-04066-16	TRG	800885 D FEEZOR LAPEL	11/05/13 16:00	4/9/2014	4/16/2014	14-04066	Thorium-230	EML Th-01 Modified	2.13E-13	1.53E-13	1.56E-13	1.42E-13	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:					
			Dan Feezor					SDG:	14-04066 Revised				
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1				
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL				
			Chatham, IL 62629					Sample Matrix:	WA				
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units
14-04066-01	LCS	KNOWN	04/10/14 00:00	4/9/2014	4/16/2014	14-04066	Thorium-232	EML Th-01 Modified	4.82E-06	1.74E-07			uCi/ml
14-04066-01	LCS	SPIKE	04/10/14 00:00	4/9/2014	4/16/2014	14-04066	Thorium-232	EML Th-01 Modified	5.15E-06	8.90E-07	1.00E-06	1.00E-07	uCi/ml
14-04066-02	MBL	BLANK	04/10/14 00:00	4/9/2014	4/16/2014	14-04066	Thorium-232	EML Th-01 Modified	1.34E-14	3.21E-14	3.22E-14	6.73E-14	uCi/ml
14-04066-03	DUP	6497 DRILL RIG OUTSIDE 1	11/22/13 17:00	4/9/2014	4/16/2014	14-04066	Thorium-232	EML Th-01 Modified	5.49E-14	9.37E-14	9.39E-14	1.65E-13	uCi/ml
14-04066-04	DO	6497 DRILL RIG OUTSIDE 1	11/22/13 17:00	4/9/2014	4/16/2014	14-04066	Thorium-232	EML Th-01 Modified	3.97E-14	6.76E-14	6.77E-14	1.14E-13	uCi/ml
14-04066-05	TRG	6497 DRILL RIG OUTSIDE 2	11/23/13 16:30	4/9/2014	4/16/2014	14-04066	Thorium-232	EML Th-01 Modified	1.48E-13	9.78E-14	9.87E-14	6.28E-14	uCi/ml
14-04066-06	TRG	6497 DRILL RIG OUTSIDE 3	11/24/13 14:52	4/9/2014	4/16/2014	14-04066	Thorium-232	EML Th-01 Modified	2.03E-13	1.18E-13	1.20E-13	6.61E-14	uCi/ml
14-04066-07	TRG	6497 DRILL RIG OUTSIDE 4	11/15/13 12:05	4/9/2014	4/16/2014	14-04066	Thorium-232	EML Th-01 Modified	2.39E-13	1.60E-13	1.61E-13	1.18E-13	uCi/ml
14-04066-08	TRG	15184 D LAWRENCE LAPEL	10/30/13 16:00	4/9/2014	4/16/2014	14-04066	Thorium-232	EML Th-01 Modified	9.29E-14	9.89E-14	9.92E-14	1.46E-13	uCi/ml
14-04066-09	TRG	15184 S SCHMIDT LAPEL	11/01/13 15:30	4/9/2014	4/16/2014	14-04066	Thorium-232	EML Th-01 Modified	1.33E-13	1.09E-13	1.09E-13	1.26E-13	uCi/ml
14-04066-10	TRG	15184 D FEEZOR LAPEL	11/04/13 15:45	4/9/2014	4/16/2014	14-04066	Thorium-232	EML Th-01 Modified	2.22E-13	1.29E-13	1.30E-13	7.22E-14	uCi/ml
14-04066-11	TRG	15184 S SCHMIDT LAPEL 2	11/05/13 16:00	4/9/2014	4/16/2014	14-04066	Thorium-232	EML Th-01 Modified	1.75E-13	1.18E-13	1.19E-13	8.68E-14	uCi/ml
14-04066-13	TRG	15200 S SCHMIDT LAPEL	10/30/13 16:00	4/9/2014	4/16/2014	14-04066	Thorium-232	EML Th-01 Modified	2.21E-13	1.42E-13	1.43E-13	9.92E-14	uCi/ml
14-04066-14	TRG	15200 D FEEZOR LAPEL	11/01/13 15:30	4/9/2014	4/16/2014	14-04066	Thorium-232	EML Th-01 Modified	1.72E-13	1.13E-13	1.14E-13	7.29E-14	uCi/ml
14-04066-15	TRG	15200 S SCHMIDT LAPEL 2	11/04/13 15:45	4/9/2014	4/16/2014	14-04066	Thorium-232	EML Th-01 Modified	2.38E-14	9.95E-14	9.96E-14	2.55E-13	uCi/ml
14-04066-16	TRG	800885 D FEEZOR LAPEL	11/05/13 16:00	4/9/2014	4/16/2014	14-04066	Thorium-232	EML Th-01 Modified	6.67E-14	8.17E-14	8.19E-14	9.84E-14	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original



FROM: Cecilia Greene

TO: Mr. Dan Feezor, Feezor Engineering

CC: Mr. Paul Rosasco

DATE: 07/22/2014

RE: Transmittal of Validated Results for Eberline Work Order 14-04066

Eberline Services of Oak Ridge, TN has completed their analysis of the Phase 1 air samples in Eberline Work Order 14-04066. The validated results are summarized in Table 1.

The laboratory quality control samples were validated using MARLAP criteria. All laboratory control samples fell within acceptable control limits.

The laboratory notified A&A that the envelope labeled "15184 S Schmidt Lapel" did not contain an air filter. A complete verification of all of the laboratory calculations was performed. 100% of the calculated results were within $\pm 10\%$ of the laboratory results.

The full laboratory Level IV report of analysis will be retained at Auxier & Associates offices in Knoxville, TN where it is available for inspection upon request. Should you require additional information or further clarification, please contact me or Mr. Michael Bollenbacher at (865) 675-3669.

Sincerely,

Cecilia Greene, MPH, NRRPT
Auxier & Associates, Inc.
9821 Cogdill Road, Suite 1
Knoxville, TN 37932

cgreene@auxier.com
(865) 675-3669 office
(865) 675-3677 fax
(865) 621-3076 cell

Health Physics and Environmental Radiation Consulting
A USA Environment, L.P. Company

Sample ID	Gross Alpha ($\mu\text{Ci/ml}$)	Gross Beta ($\mu\text{Ci/ml}$)
Analytical Method	LANL MLR-100 Modified	LANL MLR-100 Modified
15184 D FEEZOR LAPEL	< 2.58E-13 (8.67E-14 \pm 1.27E-13) {U}	< 1.67E-12 (1.50E-12 \pm 3.75E-13) {UQ}
15184 D LAWRENCE LAPEL	< 2.04E-13 (6.08E-14 \pm 9.85E-14) {U}	< 1.89E-12 (1.27E-12 \pm 3.68E-13) {UQ}
15184 S SCHMIDT LAPEL	< 1.87E-13 (1.32E-13 \pm 1.05E-13) {U}	<1.93E-12 (1.72E-12 \pm 4.27E-13) {U}
15184 S SCHMIDT LAPEL 2	< 2.28E-13 (-1.22E-14 \pm 9.23E-14) {U}	<1.92E-12 (1.68E-12 \pm 4.13E-13) {U}
15200 D FEEZOR LAPEL	< 1.76E-13 (4.14E-14 \pm 7.16E-14) {U}	< 2.17E-12 (1.11E-12 \pm 3.78E-13) {UQ}
15200 S SCHMIDT LAPEL	< 2.88E-13 (1.26E-14 \pm 1.24E-13) {U}	< 1.91E-12 (1.33E-12 \pm 3.75E-13) {UQ}
15200 S SCHMIDT LAPEL 2	< 1.86E-13 (1.60E-13 \pm 1.12E-13) {U}	<1.960E-12 (1.75E-12 \pm 4.33E-13) {U}
6497 DRILL RIG OUTSIDE 1	< 1.87E-13 (8.89E-15 \pm 7.19E-14) {U}	< 1.57E-12 (1.25E-12 \pm 3.15E-13) {UQ}
6497 DRILL RIG OUTSIDE 2	< 1.43E-13 (4.85E-14 \pm 6.88E-14) {U}	< 1.74E-12 (7.58E-13 \pm 2.83E-13) {UQ}
6497 DRILL RIG OUTSIDE 3	< 2.55E-13 (-2.24E-14 \pm 1.03E-13) {U}	< 1.78E-12 (1.35E-12 \pm 3.56E-13) {UQ}
6497 DRILL RIG OUTSIDE 4	< 4.63E-13 (1.87E-14 \pm 1.97E-13) {U}	< 1.08E-12 (2.09E-12 \pm 5.86E-13) {UQ}
800885 D FEEZOR LAPEL	< 2.20E-13 (8.18E-14 \pm 1.10E-13) {U}	1.72E-12 \pm 3.96E-13 {-}

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

Sample ID	Thorium-228 ($\mu\text{Ci/ml}$)	Thorium-230 ($\mu\text{Ci/ml}$)	Thorium-232 ($\mu\text{Ci/ml}$)
Analytical Method	EML Th-01 Modified	EML Th-01 Modified	EML Th-01 Modified
15184 D FEEZOR LAPEL	$2.67\text{E-}13 \pm 1.71\text{E-}13 \{-\}$	$4.07\text{E-}13 \pm 1.89\text{E-}13 \{-\}$	$2.22\text{E-}13 \pm 1.30\text{E-}13 \{-\}$
15184 D LAWRENCE LAPEL	$1.17\text{E-}13 \pm 1.02\text{E-}13 \{-\}$	$1.45\text{E-}13 \pm 1.06\text{E-}13 \{-\}$	$< 1.37\text{E-}13 (9.29\text{E-}14 \pm 9.92\text{E-}14) \{U\}$
15184 S SCHMIDT LAPEL	$2.69\text{E-}13 \pm 1.64\text{E-}13 \{-\}$	$3.36\text{E-}13 \pm 1.69\text{E-}13 \{-\}$	$1.33\text{E-}13 \pm 1.09\text{E-}13 \{-\}$
15184 S SCHMIDT LAPEL 2	$6.72\text{E-}14 \pm 8.63\text{E-}14 \{-\}$	$4.12\text{E-}13 \pm 1.94\text{E-}13 \{-\}$	$1.75\text{E-}13 \pm 1.19\text{E-}13 \{-\}$
15200 D FEEZOR LAPEL	$2.20\text{E-}13 \pm 1.41\text{E-}13 \{-\}$	$4.20\text{E-}13 \pm 1.94\text{E-}13 \{-\}$	$1.72\text{E-}13 \pm 1.14\text{E-}13 \{-\}$
15200 S SCHMIDT LAPEL	$2.24\text{E-}13 \pm 1.61\text{E-}13 \{-\}$	$4.26\text{E-}13 \pm 2.11\text{E-}13 \{-\}$	$2.21\text{E-}13 \pm 1.43\text{E-}13 \{-\}$
15200 S SCHMIDT LAPEL 2	$3.14\text{E-}13 \pm 2.92\text{E-}13 \{-\}$	$7.71\text{E-}13 \pm 4.49\text{E-}13 \{-\}$	$< 2.81\text{E-}13 (2.38\text{E-}14 \pm 9.96\text{E-}14) \{U\}$
6497 DRILL RIG OUTSIDE 1	$4.11\text{E-}14 \pm 7.86\text{E-}14 \{-\}$	$3.19\text{E-}13 \pm 1.90\text{E-}13 \{-\}$	$< 1.34\text{E-}13 (3.97\text{E-}14 \pm 6.77\text{E-}14) \{U\}$
6497 DRILL RIG OUTSIDE 2	$2.58\text{E-}13 \pm 1.43\text{E-}13 \{-\}$	$1.76\text{E-}13 \pm 1.10\text{E-}13 \{-\}$	$1.48\text{E-}13 \pm 9.87\text{E-}14 \{-\}$
6497 DRILL RIG OUTSIDE 3	$1.86\text{E-}13 \pm 1.26\text{E-}13 \{-\}$	$3.30\text{E-}13 \pm 1.64\text{E-}13 \{-\}$	$2.03\text{E-}13 \pm 1.20\text{E-}13 \{-\}$
6497 DRILL RIG OUTSIDE 4	$2.66\text{E-}13 \pm 1.86\text{E-}13 \{-\}$	$3.14\text{E-}13 \pm 1.89\text{E-}13 \{-\}$	$2.39\text{E-}13 \pm 1.61\text{E-}13 \{-\}$
800885 D FEEZOR LAPEL	$2.26\text{E-}13 \pm 1.73\text{E-}13 \{-\}$	$2.13\text{E-}13 \pm 1.56\text{E-}13 \{-\}$	$< 1.29\text{E-}13 (6.67\text{E-}14 \pm 8.19\text{E-}14) \{U\}$

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:					
			Mike Bollenbacher					SDG:	13-12061				
			AUXIER & Associates					Purchase Order:	BRIDGETON				
			9821 Cogdill Road #1					Analysis Category:	ENVIRONMENTAL				
			Knoville, TN 37932					Sample Matrix:	AF				
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units
13-12061-01	LCS	KNOWN	12/12/13 00:00	12/11/2013	12/12/2013	13-12061	Gross Alpha	LANL MLR-100 Modified	3.12E-04	1.34E-05			uCi/ml
13-12061-01	LCS	SPIKE	12/12/13 00:00	12/11/2013	12/12/2013	13-12061	Gross Alpha	LANL MLR-100 Modified	2.94E-04	7.99E-06	3.31E-05	4.92E-07	uCi/ml
13-12061-02	MBL	BLANK	12/12/13 00:00	12/11/2013	12/12/2013	13-12061	Gross Alpha	LANL MLR-100 Modified	-8.41E-17	5.47E-16	5.47E-16	1.43E-15	uCi/ml
13-12061-03	DUP	LV1#3683	11/15/13 00:00	12/11/2013	12/12/2013	13-12061	Gross Alpha	LANL MLR-100 Modified	5.78E-15	1.46E-15	1.59E-15	1.24E-15	uCi/ml
13-12061-04	DO	LV1#3683	11/15/13 00:00	12/11/2013	12/12/2013	13-12061	Gross Alpha	LANL MLR-100 Modified	4.18E-15	1.38E-15	1.46E-15	1.70E-15	uCi/ml
13-12061-05	TRG	LV1#3794	11/15/13 00:00	12/11/2013	12/12/2013	13-12061	Gross Alpha	LANL MLR-100 Modified	2.52E-15	1.28E-15	1.31E-15	2.11E-15	uCi/ml
13-12061-01	LCS	KNOWN	12/12/13 00:00	12/11/2013	12/12/2013	13-12061	Gross Beta	LANL MLR-100 Modified	2.17E-04	6.51E-06			uCi/ml
13-12061-01	LCS	SPIKE	12/12/13 00:00	12/11/2013	12/12/2013	13-12061	Gross Beta	LANL MLR-100 Modified	2.68E-04	6.19E-06	3.75E-05	1.01E-06	uCi/ml
13-12061-02	MBL	BLANK	12/12/13 00:00	12/11/2013	12/12/2013	13-12061	Gross Beta	LANL MLR-100 Modified	-7.88E-16	1.65E-15	1.65E-15	3.63E-15	uCi/ml
13-12061-03	DUP	LV1#3683	11/15/13 00:00	12/11/2013	12/12/2013	13-12061	Gross Beta	LANL MLR-100 Modified	5.97E-14	3.80E-15	9.08E-15	3.58E-15	uCi/ml
13-12061-04	DO	LV1#3683	11/15/13 00:00	12/11/2013	12/12/2013	13-12061	Gross Beta	LANL MLR-100 Modified	6.73E-14	4.12E-15	1.02E-14	4.21E-15	uCi/ml
13-12061-05	TRG	LV1#3794	11/15/13 00:00	12/11/2013	12/12/2013	13-12061	Gross Beta	LANL MLR-100 Modified	2.61E-14	2.95E-15	4.65E-15	4.07E-15	uCi/ml
13-12061-01	LCS	KNOWN	12/12/13 00:00	12/11/2013	12/17/2013	13-12061	Thorium-228	EML Th-01 Modified	4.63E-06	1.67E-07			uCi/ml
13-12061-01	LCS	SPIKE	12/12/13 00:00	12/11/2013	12/17/2013	13-12061	Thorium-228	EML Th-01 Modified	5.32E-06	8.87E-07	1.02E-06	1.34E-07	uCi/ml
13-12061-02	MBL	BLANK	12/12/13 00:00	12/11/2013	12/17/2013	13-12061	Thorium-228	EML Th-01 Modified	1.29E-16	3.80E-16	3.81E-16	8.28E-16	uCi/ml
13-12061-03	DUP	LV1#3683	11/15/13 00:00	12/11/2013	12/17/2013	13-12061	Thorium-228	EML Th-01 Modified	9.63E-17	6.04E-16	6.04E-16	1.46E-15	uCi/ml
13-12061-04	DO	LV1#3683	11/15/13 00:00	12/11/2013	12/17/2013	13-12061	Thorium-228	EML Th-01 Modified	1.29E-15	1.06E-15	1.07E-15	1.04E-15	uCi/ml
13-12061-05	TRG	LV1#3794	11/15/13 00:00	12/11/2013	12/17/2013	13-12061	Thorium-228	EML Th-01 Modified	5.49E-16	4.63E-16	4.66E-16	4.90E-16	uCi/ml
13-12061-01	LCS	KNOWN	12/12/13 00:00	12/11/2013	12/17/2013	13-12061	Thorium-230	EML Th-01 Modified	5.33E-06	1.44E-07			uCi/ml
13-12061-01	LCS	SPIKE	12/12/13 00:00	12/11/2013	12/17/2013	13-12061	Thorium-230	EML Th-01 Modified	5.09E-06	8.56E-07	1.06E-06	8.82E-08	uCi/ml
13-12061-02	MBL	BLANK	12/12/13 00:00	12/11/2013	12/17/2013	13-12061	Thorium-230	EML Th-01 Modified	1.25E-15	8.44E-16	8.58E-16	6.91E-16	uCi/ml
13-12061-03	DUP	LV1#3683	11/15/13 00:00	12/11/2013	12/17/2013	13-12061	Thorium-230	EML Th-01 Modified	1.29E-15	1.06E-15	1.07E-15	1.04E-15	uCi/ml
13-12061-04	DO	LV1#3683	11/15/13 00:00	12/11/2013	12/17/2013	13-12061	Thorium-230	EML Th-01 Modified	3.28E-15	1.70E-15	1.74E-15	1.16E-15	uCi/ml
13-12061-05	TRG	LV1#3794	11/15/13 00:00	12/11/2013	12/17/2013	13-12061	Thorium-230	EML Th-01 Modified	7.16E-16	5.11E-16	5.19E-16	4.42E-16	uCi/ml
13-12061-01	LCS	KNOWN	12/12/13 00:00	12/11/2013	12/17/2013	13-12061	Thorium-232	EML Th-01 Modified	4.63E-06	1.67E-07			uCi/ml
13-12061-01	LCS	SPIKE	12/12/13 00:00	12/11/2013	12/17/2013	13-12061	Thorium-232	EML Th-01 Modified	5.17E-06	8.68E-07	9.80E-07	1.39E-07	uCi/ml
13-12061-02	MBL	BLANK	12/12/13 00:00	12/11/2013	12/17/2013	13-12061	Thorium-232	EML Th-01 Modified	5.90E-16	5.89E-16	5.91E-16	6.89E-16	uCi/ml
13-12061-03	DUP	LV1#3683	11/15/13 00:00	12/11/2013	12/17/2013	13-12061	Thorium-232	EML Th-01 Modified	1.98E-16	5.51E-16	5.51E-16	1.19E-15	uCi/ml
13-12061-04	DO	LV1#3683	11/15/13 00:00	12/11/2013	12/17/2013	13-12061	Thorium-232	EML Th-01 Modified	3.19E-16	5.44E-16	5.44E-16	9.20E-16	uCi/ml
13-12061-05	TRG	LV1#3794	11/15/13 00:00	12/11/2013	12/17/2013	13-12061	Thorium-232	EML Th-01 Modified	5.75E-16	4.47E-16	4.50E-16	3.51E-16	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original



FROM: Cecilia Greene

TO: Mr. Dan Feezor, Feezor Engineering

CC: Mr. Paul Rosasco

DATE: 07/22/2014

RE: Transmittal of Validated Results for Eberline Work Order 13-12061

Eberline Services of Oak Ridge, TN has completed their analysis of the Phase 1 air samples in Eberline Work Order 13-12061. The validated results are summarized in Table 1.

The laboratory quality control samples were validated using MARLAP criteria. All laboratory control samples fell within acceptable control limits.

A complete verification of all of the laboratory calculations was performed. 100% of the calculated results were within \pm 10% of the laboratory results.

The full laboratory Level IV report of analysis will be retained at Auxier & Associates offices in Knoxville, TN where it is available for inspection upon request. Should you require additional information or further clarification, please contact me or Mr. Michael Bollenbacher at (865) 675-3669.

Sincerely,

Cecilia Greene, MPH, NRRPT
Auxier & Associates, Inc.
9821 Cogdill Road, Suite 1
Knoxville, TN 37932

cgreene@auxier.com
(865) 675-3669 office
(865) 675-3677 fax
(865) 621-3076 cell

Health Physics and Environmental Radiation Consulting
A USA Environment, L.P. Company

Sample ID	Gross Alpha ($\mu\text{Ci/ml}$)	Gross Beta ($\mu\text{Ci/ml}$)	Thorium-228 ($\mu\text{Ci/ml}$)	Thorium-230 ($\mu\text{Ci/ml}$)	Thorium-232 ($\mu\text{Ci/ml}$)
Analytical Method	LANL MLR-100 Modified	LANL MLR-100 Modified	EML Th-01 Modified	EML Th-01 Modified	EML Th-01 Modified
LV1#3683	$4.18\text{E-}15 \pm 1.46\text{E-}15 \{-\}$	$6.73\text{E-}14 \pm 1.02\text{E-}14 \{-\}$	$1.29\text{E-}15 \pm 1.07\text{E-}15 \{-\}$	$3.28\text{E-}15 \pm 1.74\text{E-}15 \{-\}$	$< 1.71\text{E-}15 (3.19\text{E-}16 \pm 5.44\text{E-}16) \{U\}$
LV1#3794	$2.52\text{E-}15 \pm 1.31\text{E-}15 \{-\}$	$2.61\text{E-}14 \pm 4.65\text{E-}15 \{-\}$	$5.49\text{E-}16 \pm 4.66\text{E-}16 \{-\}$	$7.16\text{E-}16 \pm 5.19\text{E-}16 \{-\}$	$< 7.32\text{E-}16 (5.75\text{E-}16 \pm 4.50\text{E-}16) \{U\}$

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:						
			Dan Feezor					SDG:	14-05094 SUPPLEMENTAL					
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1					
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL					
			Chatham, IL 62629					Sample Matrix:	AF					
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	CV	Report Units
14-05094-01	LCS	KNOWN	05/22/14 00:00	5/21/2014	5/27/2014	14-05094	Gross Alpha	LANL MLR-100 Modified	2.71E-04	1.17E-05				uCi/ml
14-05094-01	LCS	SPIKE	05/22/14 00:00	5/21/2014	5/27/2014	14-05094	Gross Alpha	LANL MLR-100 Modified	2.89E-04	5.38E-06	3.20E-05	7.81E-08	1.33E-06	uCi/ml
14-05094-02	MBL	BLANK	05/22/14 00:00	5/21/2014	5/27/2014	14-05094	Gross Alpha	LANL MLR-100 Modified	0.00E+00	2.31E-12	2.31E-12	5.13E-12	2.30E-11	uCi/ml
14-05094-03	DUP	1037-1/OUTSIDE TRAILER	04/11/14 13:30	5/21/2014	5/23/2014	14-05094	Gross Alpha	LANL MLR-100 Modified	1.55E-15	3.05E-16	3.49E-16	1.79E-16	1.36E-16	uCi/ml
14-05094-04	DO	1037-1/OUTSIDE TRAILER	04/11/14 13:30	5/21/2014	5/23/2014	14-05094	Gross Alpha	LANL MLR-100 Modified	1.34E-15	2.89E-16	3.24E-16	1.68E-16	1.28E-16	uCi/ml
14-05094-05	TRG	1037-2/OUTSIDE TRAILER	04/25/14 10:20	5/21/2014	5/23/2014	14-05094	Gross Alpha	LANL MLR-100 Modified	1.25E-06	3.80E-07	4.04E-07	2.95E-07	1.44E-06	uCi/s
14-05094-06	TRG	1037-3/OUTSIDE TRAILER	05/09/14 10:13	5/21/2014	5/23/2014	14-05094	Gross Alpha	LANL MLR-100 Modified	3.24E-07	2.37E-07	2.40E-07	3.33E-07	1.49E-06	uCi/s
14-05094-07	TRG	90037-4/TRANSFER STATION	04/11/14 14:00	5/21/2014	5/23/2014	14-05094	Gross Alpha	LANL MLR-100 Modified	7.46E-07	3.38E-07	3.48E-07	4.16E-07	1.52E-06	uCi/s
14-05094-08	TRG	90037-5/TRANSFER STATION	04/25/14 10:36	5/21/2014	5/23/2014	14-05094	Gross Alpha	LANL MLR-100 Modified	2.85E-07	2.22E-07	2.24E-07	3.19E-07	1.43E-06	uCi/s
14-05094-09	TRG	90037-6/TRANSFER STATION	05/09/14 10:26	5/21/2014	5/23/2014	14-05094	Gross Alpha	LANL MLR-100 Modified	1.34E-07	2.03E-07	2.04E-07	3.59E-07	1.50E-06	uCi/s
14-05094-10	TRG	1037B-7/OUTSIDE TRAILER	04/11/14 13:30	5/21/2014	5/23/2014	14-05094	Gross Alpha	LANL MLR-100 Modified	1.21E-16	1.11E-16	1.12E-16	1.67E-16	1.27E-16	uCi/ml
14-05094-01	LCS	KNOWN	05/22/14 00:00	5/21/2014	5/27/2014	14-05094	Gross Beta	LANL MLR-100 Modified	3.05E-04	9.15E-06				uCi/ml
14-05094-01	LCS	SPIKE	05/22/14 00:00	5/21/2014	5/27/2014	14-05094	Gross Beta	LANL MLR-100 Modified	3.00E-04	4.59E-06	4.17E-05	6.80E-07	1.98E-06	uCi/ml
14-05094-02	MBL	BLANK	05/22/14 00:00	5/21/2014	5/27/2014	14-05094	Gross Beta	LANL MLR-100 Modified	-2.54E-12	6.79E-12	6.80E-12	1.25E-11	3.79E-11	uCi/ml
14-05094-03	DUP	1037-1/OUTSIDE TRAILER	04/11/14 13:30	5/21/2014	5/23/2014	14-05094	Gross Beta	LANL MLR-100 Modified	1.42E-14	7.29E-16	2.09E-15	3.87E-16	1.11E-15	uCi/ml
14-05094-04	DO	1037-1/OUTSIDE TRAILER	04/11/14 13:30	5/21/2014	5/23/2014	14-05094	Gross Beta	LANL MLR-100 Modified	1.41E-14	7.61E-16	2.09E-15	4.92E-16	1.54E-15	uCi/ml
14-05094-05	TRG	1037-2/OUTSIDE TRAILER	04/25/14 10:20	5/21/2014	5/23/2014	14-05094	Gross Beta	LANL MLR-100 Modified	1.18E-05	9.24E-07	1.87E-06	6.93E-07	2.04E-06	uCi/s
14-05094-06	TRG	1037-3/OUTSIDE TRAILER	05/09/14 10:13	5/21/2014	5/23/2014	14-05094	Gross Beta	LANL MLR-100 Modified	5.64E-06	7.23E-07	1.06E-06	7.76E-07	2.38E-06	uCi/s
14-05094-07	TRG	90037-4/TRANSFER STATION	04/11/14 14:00	5/21/2014	5/23/2014	14-05094	Gross Beta	LANL MLR-100 Modified	8.94E-06	8.28E-07	1.49E-06	7.13E-07	2.13E-06	uCi/s
14-05094-08	TRG	90037-5/TRANSFER STATION	04/25/14 10:36	5/21/2014	5/23/2014	14-05094	Gross Beta	LANL MLR-100 Modified	5.30E-06	6.60E-07	9.86E-07	6.31E-07	1.81E-06	uCi/s
14-05094-09	TRG	90037-6/TRANSFER STATION	05/09/14 10:26	5/21/2014	5/23/2014	14-05094	Gross Beta	LANL MLR-100 Modified	3.26E-06	6.03E-07	7.52E-07	7.34E-07	2.19E-06	uCi/s
14-05094-10	TRG	1037B-7/OUTSIDE TRAILER	04/11/14 13:30	5/21/2014	5/23/2014	14-05094	Gross Beta	LANL MLR-100 Modified	1.35E-15	3.41E-16	3.89E-16	4.67E-16	1.42E-15	uCi/ml
14-05094-01	LCS	KNOWN	05/22/14 00:00	5/21/2014	5/29/2014	14-05094	Thorium-228	EML Th-01 Modified	4.91E-06	1.77E-07				uCi/ml
14-05094-01	LCS	SPIKE	05/22/14 00:00	5/21/2014	5/29/2014	14-05094	Thorium-228	EML Th-01 Modified	5.75E-06	9.06E-07	1.06E-06	1.02E-07	2.33E-08	uCi/ml
14-05094-02	MBL	BLANK	05/22/14 00:00	5/21/2014	5/29/2014	14-05094	Thorium-228	EML Th-01 Modified	9.64E-14	1.65E-13	1.65E-13	2.93E-13	1.03E-13	uCi/ml
14-05094-03	DUP	1037-1/OUTSIDE TRAILER	04/11/14 13:30	5/21/2014	5/29/2014	14-05094	Thorium-228	EML Th-01 Modified	1.34E-17	7.63E-17	7.63E-17	1.60E-16	7.44E-17	uCi/ml
14-05094-04	DO	1037-1/OUTSIDE TRAILER	04/11/14 13:30	5/21/2014	5/29/2014	14-05094	Thorium-228	EML Th-01 Modified	6.08E-17	6.88E-17	6.90E-17	9.63E-17	1.69E-17	uCi/ml
14-05094-05	TRG	1037-2/OUTSIDE TRAILER	04/25/14 10:20	5/21/2014	5/29/2014	14-05094	Thorium-228	EML Th-01 Modified	3.26E-07	1.93E-07	1.96E-07	1.83E-07	5.34E-08	uCi/s
14-05094-06	TRG	1037-3/OUTSIDE TRAILER	05/09/14 10:13	5/21/2014	5/29/2014	14-05094	Thorium-228	EML Th-01 Modified	2.30E-07	1.33E-07	1.34E-07	1.29E-07	4.18E-08	uCi/s
14-05094-07	TRG	90037-4/TRANSFER STATION	04/11/14 14:00	5/21/2014	5/29/2014	14-05094	Thorium-228	EML Th-01 Modified	3.36E-07	2.11E-07	2.13E-07	2.26E-07	8.63E-08	uCi/s
14-05094-08	TRG	90037-5/TRANSFER STATION	04/25/14 10:36	5/21/2014	5/29/2014	14-05094	Thorium-228	EML Th-01 Modified	2.62E-07	1.85E-07	1.87E-07	2.02E-07	5.90E-08	uCi/s
14-05094-09	TRG	90037-6/TRANSFER STATION	05/09/14 10:26	5/21/2014	5/29/2014	14-05094	Thorium-228	EML Th-01 Modified	1.74E-07	1.29E-07	1.30E-07	1.49E-07	4.41E-08	uCi/s
14-05094-10	TRG	1037B-7/OUTSIDE TRAILER	04/11/14 13:30	5/21/2014	5/29/2014	14-05094	Thorium-228	EML Th-01 Modified	1.23E-16	8.90E-17	8.98E-17	8.62E-17	1.51E-17	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample;MBL=Blank;DUP=Duplicate;TRG=Normal Sample;DO=Duplicate Original;CV=Critical Value

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:						
			Dan Feezor					SDG:	14-05094 SUPPLEMENTAL					
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1					
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL					
			Chatham, IL 62629					Sample Matrix:	AF					
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	CV	Report Units
14-05094-01	LCS	KNOWN	05/22/14 00:00	5/21/2014	5/29/2014	14-05094	Thorium-230	EML Th-01 Modified	5.50E-06	1.48E-07				uCi/ml
14-05094-01	LCS	SPIKE	05/22/14 00:00	5/21/2014	5/29/2014	14-05094	Thorium-230	EML Th-01 Modified	6.00E-06	9.39E-07	1.20E-06	9.44E-08	2.02E-08	uCi/ml
14-05094-02	MBL	BLANK	05/22/14 00:00	5/21/2014	5/29/2014	14-05094	Thorium-230	EML Th-01 Modified	1.03E-13	1.49E-13	1.50E-13	2.49E-13	6.85E-14	uCi/ml
14-05094-03	DUP	1037-1/OUTSIDE TRAILER	04/11/14 13:30	5/21/2014	5/29/2014	14-05094	Thorium-230	EML Th-01 Modified	5.62E-17	7.06E-17	7.09E-17	1.10E-16	3.22E-17	uCi/ml
14-05094-04	DO	1037-1/OUTSIDE TRAILER	04/11/14 13:30	5/21/2014	5/29/2014	14-05094	Thorium-230	EML Th-01 Modified	1.41E-16	9.33E-17	9.49E-17	6.98E-17	8.23E-18	uCi/ml
14-05094-05	TRG	1037-2/OUTSIDE TRAILER	04/25/14 10:20	5/21/2014	5/29/2014	14-05094	Thorium-230	EML Th-01 Modified	5.47E-07	2.41E-07	2.51E-07	1.22E-07	1.95E-08	uCi/s
14-05094-06	TRG	1037-3/OUTSIDE TRAILER	05/09/14 10:13	5/21/2014	5/29/2014	14-05094	Thorium-230	EML Th-01 Modified	3.10E-07	1.46E-07	1.51E-07	9.31E-08	1.84E-08	uCi/s
14-05094-07	TRG	90037-4/TRANSFER STATION	04/11/14 14:00	5/21/2014	5/29/2014	14-05094	Thorium-230	EML Th-01 Modified	2.46E-07	1.75E-07	1.78E-07	2.01E-07	7.38E-08	uCi/s
14-05094-08	TRG	90037-5/TRANSFER STATION	04/25/14 10:36	5/21/2014	5/29/2014	14-05094	Thorium-230	EML Th-01 Modified	4.61E-07	2.31E-07	2.37E-07	1.35E-07	2.15E-08	uCi/s
14-05094-09	TRG	90037-6/TRANSFER STATION	05/09/14 10:26	5/21/2014	5/29/2014	14-05094	Thorium-230	EML Th-01 Modified	3.62E-07	1.73E-07	1.79E-07	1.00E-07	1.61E-08	uCi/s
14-05094-10	TRG	1037B-7/OUTSIDE TRAILER	04/11/14 13:30	5/21/2014	5/29/2014	14-05094	Thorium-230	EML Th-01 Modified	1.48E-16	9.39E-17	9.57E-17	7.36E-17	1.18E-17	uCi/ml
14-05094-01	LCS	KNOWN	05/22/14 00:00	5/21/2014	5/29/2014	14-05094	Thorium-232	EML Th-01 Modified	4.91E-06	1.77E-07				uCi/ml
14-05094-01	LCS	SPIKE	05/22/14 00:00	5/21/2014	5/29/2014	14-05094	Thorium-232	EML Th-01 Modified	5.67E-06	8.96E-07	1.03E-06	6.84E-08	8.03E-08	uCi/ml
14-05094-02	MBL	BLANK	05/22/14 00:00	5/21/2014	5/29/2014	14-05094	Thorium-232	EML Th-01 Modified	2.10E-14	9.60E-14	9.60E-14	2.25E-13	2.17E-13	uCi/ml
14-05094-03	DUP	1037-1/OUTSIDE TRAILER	04/11/14 13:30	5/21/2014	5/29/2014	14-05094	Thorium-232	EML Th-01 Modified	7.50E-17	7.58E-17	7.61E-17	1.04E-16	9.92E-17	uCi/ml
14-05094-04	DO	1037-1/OUTSIDE TRAILER	04/11/14 13:30	5/21/2014	5/29/2014	14-05094	Thorium-232	EML Th-01 Modified	5.33E-17	5.81E-17	5.83E-17	6.96E-17	8.19E-17	uCi/ml
14-05094-05	TRG	1037-2/OUTSIDE TRAILER	04/25/14 10:20	5/21/2014	5/29/2014	14-05094	Thorium-232	EML Th-01 Modified	4.88E-07	2.24E-07	2.28E-07	1.03E-07	1.21E-07	uCi/s
14-05094-06	TRG	1037-3/OUTSIDE TRAILER	05/09/14 10:13	5/21/2014	5/29/2014	14-05094	Thorium-232	EML Th-01 Modified	1.57E-07	9.97E-08	1.01E-07	7.06E-08	8.33E-08	uCi/s
14-05094-07	TRG	90037-4/TRANSFER STATION	04/11/14 14:00	5/21/2014	5/29/2014	14-05094	Thorium-232	EML Th-01 Modified	1.34E-07	1.30E-07	1.31E-07	1.75E-07	1.65E-07	uCi/s
14-05094-08	TRG	90037-5/TRANSFER STATION	04/25/14 10:36	5/21/2014	5/29/2014	14-05094	Thorium-232	EML Th-01 Modified	3.02E-07	1.80E-07	1.82E-07	1.14E-07	1.34E-07	uCi/s
14-05094-09	TRG	90037-6/TRANSFER STATION	05/09/14 10:26	5/21/2014	5/29/2014	14-05094	Thorium-232	EML Th-01 Modified	2.45E-07	1.43E-07	1.44E-07	1.17E-07	1.15E-07	uCi/s
14-05094-10	TRG	1037B-7/OUTSIDE TRAILER	04/11/14 13:30	5/21/2014	5/29/2014	14-05094	Thorium-232	EML Th-01 Modified	1.95E-16	1.09E-16	1.10E-16	7.81E-17	6.88E-17	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample;MBL=Blank;DUP=Duplicate;TRG=Normal Sample;DO=Duplicate Original;CV=Critical Value



FROM: Cecilia Greene

TO: Mr. Dan Feezor, Feezor Engineering

CC: Mr. Paul Rosasco

DATE: 07/22/2014

RE: Transmittal of Validated Results for Eberline Work Order 14-05094

Eberline Services of Oak Ridge, TN has completed their analysis of the Phase 1 air samples in Eberline Work Order 14-05094. The validated results are summarized in Table 1.

The laboratory quality control samples were validated using MARLAP criteria. All laboratory control samples fell within acceptable control limits.

A complete verification of all of the laboratory calculations was performed. 100% of the calculated results were within \pm 10% of the laboratory results.

The full laboratory Level IV report of analysis will be retained at Auxier & Associates offices in Knoxville, TN where it is available for inspection upon request. Should you require additional information or further clarification, please contact me or Mr. Michael Bollenbacher at (865) 675-3669.

Sincerely,

Cecilia Greene, MPH, NRRPT
Auxier & Associates, Inc.
9821 Cogdill Road, Suite 1
Knoxville, TN 37932

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(865) 675-3669 office
(865) 675-3677 fax
(865) 621-3076 cell

Health Physics and Environmental Radiation Consulting
A USA Environment, L.P. Company

Sample ID	Gross Alpha ($\mu\text{Ci/ml}$)	Gross Beta ($\mu\text{Ci/ml}$)
Analytical Method	LANL MLR-100 Modified	LANL MLR-100 Modified
1037-1/OUTSIDE TRAILER	$1.34\text{E-}15 \pm 3.24\text{E-}16 \{-\}$	$1.41\text{E-}14 \pm 2.09\text{E-}15 \{-\}$
1037-2/OUTSIDE TRAILER	$< 1.44\text{E-}06 (1.25\text{E-}06 \pm 4.04\text{E-}07) \{\text{UQ}\}$	$1.18\text{E-}05 \pm 1.87\text{E-}06 \{-\}$
1037-3/OUTSIDE TRAILER	$< 1.49\text{E-}06 (3.24\text{E-}07 \pm 2.40\text{E-}07) \{\text{UQ}\}$	$5.64\text{E-}06 \pm 1.06\text{E-}06 \{-\}$
1037B-7/OUTSIDE TRAILER	$< 1.27\text{E-}16 (1.21\text{E-}16 \pm 1.12\text{E-}16) \{\text{U}\}$	$< 1.42\text{E-}15 (1.35\text{E-}15 \pm 3.89\text{E-}16) \{\text{UQ}\}$
90037-4/TRANSFER STATION	$< 1.52\text{E-}06 (7.46\text{E-}07 \pm 3.48\text{E-}07) \{\text{UQ}\}$	$8.94\text{E-}06 \pm 1.49\text{E-}06 \{-\}$
90037-5/TRANSFER STATION	$< 1.43\text{E-}06 (2.85\text{E-}07 \pm 2.24\text{E-}07) \{\text{UQ}\}$	$5.30\text{E-}06 \pm 9.86\text{E-}07 \{-\}$
90037-6/TRANSFER STATION	$< 1.50\text{E-}06 (1.34\text{E-}07 \pm 2.04\text{E-}07) \{\text{UQ}\}$	$3.26\text{E-}06 \pm 7.52\text{E-}07 \{-\}$

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

Sample ID	Thorium-228 ($\mu\text{Ci/ml}$)	Thorium-230 ($\mu\text{Ci/ml}$)	Thorium-232 ($\mu\text{Ci/ml}$)
Analytical Method	EML Th-01 Modified	EML Th-01 Modified	EML Th-01 Modified
1037-1/OUTSIDE TRAILER	$6.08\text{E-}17 \pm 6.90\text{E-}17 \{-\}$	$1.41\text{E-}16 \pm 9.49\text{E-}17 \{-\}$	$< 8.19\text{E-}17 (5.33\text{E-}17 \pm 5.83\text{E-}17) \{U\}$
1037-2/OUTSIDE TRAILER	$3.26\text{E-}07 \pm 1.96\text{E-}07 \{Q\}$	$5.47\text{E-}07 \pm 2.51\text{E-}07 \{Q\}$	$4.88\text{E-}07 \pm 2.28\text{E-}07 \{Q\}$
1037-3/OUTSIDE TRAILER	$2.30\text{E-}07 \pm 1.34\text{E-}07 \{Q\}$	$3.10\text{E-}07 \pm 1.51\text{E-}07 \{Q\}$	$1.57\text{E-}07 \pm 1.01\text{E-}07 \{Q\}$
1037B-7/OUTSIDE TRAILER	$1.23\text{E-}16 \pm 8.98\text{E-}17 \{-\}$	$1.48\text{E-}16 \pm 9.57\text{E-}17 \{-\}$	$1.95\text{E-}16 \pm 1.10\text{E-}16 \{-\}$
90037-4/TRANSFER STATION	$3.36\text{E-}07 \pm 2.13\text{E-}07 \{Q\}$	$2.46\text{E-}07 \pm 1.78\text{E-}07 \{Q\}$	$< 1.65\text{E-}07 (1.34\text{E-}07 \pm 1.31\text{E-}07) \{UQ\}$
90037-5/TRANSFER STATION	$2.62\text{E-}07 \pm 1.87\text{E-}07 \{Q\}$	$4.61\text{E-}07 \pm 2.37\text{E-}07 \{Q\}$	$3.02\text{E-}07 \pm 1.82\text{E-}07 \{Q\}$
90037-6/TRANSFER STATION	$1.74\text{E-}07 \pm 1.30\text{E-}07 \{Q\}$	$3.62\text{E-}07 \pm 1.79\text{E-}07 \{Q\}$	$2.45\text{E-}07 \pm 1.44\text{E-}07 \{Q\}$

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:						
			Dan Feezor					SDG:	14-05127					
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1					
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL					
			Chatham, IL 62629					Sample Matrix:	AF					
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	CV	Report Units
14-05127-01	LCS	KNOWN	05/29/14 00:00	5/29/2014	5/30/2014	14-05127	Gross Alpha	LANL MLR-100 Modified	2.69E-04	1.16E-05				uCi/ml
14-05127-01	LCS	SPIKE	05/29/14 00:00	5/29/2014	5/30/2014	14-05127	Gross Alpha	LANL MLR-100 Modified	2.74E-04	7.43E-06	3.09E-05	5.51E-07	1.52E-06	uCi/ml
14-05127-02	MBL	BLANK	05/29/14 00:00	5/29/2014	5/30/2014	14-05127	Gross Alpha	LANL MLR-100 Modified	-1.99E-16	2.56E-16	2.57E-16	6.93E-16	3.32E-15	uCi/ml
14-05127-03	DUP	SN 1037-15 (Outside Office	03/13/14 13:15	5/29/2014	5/30/2014	14-05127	Gross Alpha	LANL MLR-100 Modified	4.22E-15	4.26E-16	6.28E-16	2.06E-16	1.19E-15	uCi/ml
14-05127-04	DO	SN 1037-15 (Outside Office	03/13/14 13:15	5/29/2014	5/30/2014	14-05127	Gross Alpha	LANL MLR-100 Modified	3.91E-15	4.14E-16	5.95E-16	2.58E-16	1.24E-15	uCi/ml
14-05127-05	TRG	SN 1038-16 (Outside Office	02/21/14 15:00	5/29/2014	5/30/2014	14-05127	Gross Alpha	LANL MLR-100 Modified	6.44E-15	6.49E-16	9.57E-16	4.07E-16	1.87E-15	uCi/ml
14-05127-06	TRG	SN 90037-17 (Outside Trans	02/27/14 13:24	5/29/2014	5/30/2014	14-05127	Gross Alpha	LANL MLR-100 Modified	2.10E-15	3.19E-16	3.93E-16	2.39E-16	1.28E-15	uCi/ml
14-05127-07	TRG	SN 90037-18 (Outside Trans	03/14/14 07:45	5/29/2014	5/30/2014	14-05127	Gross Alpha	LANL MLR-100 Modified	1.76E-15	2.83E-16	3.42E-16	1.87E-16	1.20E-15	uCi/ml
14-05127-08	TRG	HI VOL-19 (Conetec)	02/18/14 17:00	5/29/2014	5/30/2014	14-05127	Gross Alpha	LANL MLR-100 Modified	1.86E-14	9.84E-15	1.01E-14	1.21E-14	1.14E-13	uCi/ml
14-05127-09	TRG	HI VOL-20 (Conetec)	02/19/14 16:00	5/29/2014	5/30/2014	14-05127	Gross Alpha	LANL MLR-100 Modified	0.00E+00	4.80E-15	4.80E-15	1.09E-14	4.36E-14	uCi/ml
14-05127-10	TRG	HI VOL-21 (Conetec)	02/20/14 16:00	5/29/2014	5/30/2014	14-05127	Gross Alpha	LANL MLR-100 Modified	7.02E-15	4.24E-15	4.31E-15	7.26E-15	3.65E-14	uCi/ml
14-05127-11	TRG	HI VOL-22 (Geoprobe)	03/10/14 16:00	5/29/2014	5/30/2014	14-05127	Gross Alpha	LANL MLR-100 Modified	2.11E-14	6.24E-15	6.65E-15	5.96E-15	4.41E-14	uCi/ml
14-05127-12	TRG	HI VOL-23 (Geoprobe)	03/12/14 15:45	5/29/2014	5/30/2014	14-05127	Gross Alpha	LANL MLR-100 Modified	1.44E-14	7.20E-15	7.37E-15	1.10E-14	6.34E-14	uCi/ml
14-05127-13	TRG	HI VOL-24 (Geoprobe)	03/13/14 11:00	5/29/2014	5/30/2014	14-05127	Gross Alpha	LANL MLR-100 Modified	3.21E-14	1.42E-14	1.46E-14	2.04E-14	1.18E-13	uCi/ml
14-05127-01	LCS	KNOWN	05/29/14 00:00	5/29/2014	5/30/2014	14-05127	Gross Beta	LANL MLR-100 Modified	3.03E-04	9.08E-06				uCi/ml
14-05127-01	LCS	SPIKE	05/29/14 00:00	5/29/2014	5/30/2014	14-05127	Gross Beta	LANL MLR-100 Modified	2.74E-04	6.23E-06	3.84E-05	1.02E-06	2.45E-06	uCi/ml
14-05127-02	MBL	BLANK	05/29/14 00:00	5/29/2014	5/30/2014	14-05127	Gross Beta	LANL MLR-100 Modified	1.20E-16	6.98E-16	6.99E-16	1.48E-15	5.34E-15	uCi/ml
14-05127-03	DUP	SN 1037-15 (Outside Office	03/13/14 13:15	5/29/2014	5/30/2014	14-05127	Gross Beta	LANL MLR-100 Modified	2.16E-14	7.64E-16	3.08E-15	4.84E-16	1.69E-15	uCi/ml
14-05127-04	DO	SN 1037-15 (Outside Office	03/13/14 13:15	5/29/2014	5/30/2014	14-05127	Gross Beta	LANL MLR-100 Modified	2.13E-14	7.79E-16	3.05E-15	5.51E-16	1.99E-15	uCi/ml
14-05127-05	TRG	SN 1038-16 (Outside Office	02/21/14 15:00	5/29/2014	5/30/2014	14-05127	Gross Beta	LANL MLR-100 Modified	3.16E-14	1.15E-15	4.51E-15	8.17E-16	2.97E-15	uCi/ml
14-05127-06	TRG	SN 90037-17 (Outside Trans	02/27/14 13:24	5/29/2014	5/30/2014	14-05127	Gross Beta	LANL MLR-100 Modified	1.22E-14	6.36E-16	1.80E-15	5.96E-16	2.18E-15	uCi/ml
14-05127-07	TRG	SN 90037-18 (Outside Trans	03/14/14 07:45	5/29/2014	5/30/2014	14-05127	Gross Beta	LANL MLR-100 Modified	1.44E-14	6.59E-16	2.09E-15	4.53E-16	1.52E-15	uCi/ml
14-05127-08	TRG	HI VOL-19 (Conetec)	02/18/14 17:00	5/29/2014	5/30/2014	14-05127	Gross Beta	LANL MLR-100 Modified	2.44E-13	3.72E-14	5.02E-14	5.89E-14	2.17E-13	uCi/ml
14-05127-09	TRG	HI VOL-20 (Conetec)	02/19/14 16:00	5/29/2014	5/30/2014	14-05127	Gross Beta	LANL MLR-100 Modified	8.63E-14	1.04E-14	1.58E-14	1.44E-14	4.96E-14	uCi/ml
14-05127-10	TRG	HI VOL-21 (Conetec)	02/20/14 16:00	5/29/2014	5/30/2014	14-05127	Gross Beta	LANL MLR-100 Modified	6.61E-14	9.98E-15	1.35E-14	1.54E-14	5.48E-14	uCi/ml
14-05127-11	TRG	HI VOL-22 (Geoprobe)	03/10/14 16:00	5/29/2014	5/30/2014	14-05127	Gross Beta	LANL MLR-100 Modified	1.37E-13	1.44E-14	2.37E-14	1.81E-14	6.16E-14	uCi/ml
14-05127-12	TRG	HI VOL-23 (Geoprobe)	03/12/14 15:45	5/29/2014	5/30/2014	14-05127	Gross Beta	LANL MLR-100 Modified	1.74E-13	1.85E-14	3.03E-14	2.35E-14	7.98E-14	uCi/ml
14-05127-13	TRG	HI VOL-24 (Geoprobe)	03/13/14 11:00	5/29/2014	5/30/2014	14-05127	Gross Beta	LANL MLR-100 Modified	2.87E-13	3.34E-14	5.18E-14	4.46E-14	1.53E-13	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original; CV=Critica Value

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:						
			Dan Feezor					SDG:	14-05127					
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1					
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL					
			Chatham, IL 62629					Sample Matrix:	AF					
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	CV	Report Units
14-05127-01	LCS	KNOWN	05/29/14 00:00	5/29/2014	6/4/2014	14-05127	Thorium-228	EML Th-01 Modified	5.28E-06	1.90E-07				uCi/ml
14-05127-01	LCS	SPIKE	05/29/14 00:00	5/29/2014	6/4/2014	14-05127	Thorium-228	EML Th-01 Modified	6.00E-06	9.27E-07	1.09E-06	9.20E-08	1.80E-08	uCi/ml
14-05127-02	MBL	BLANK	05/29/14 00:00	5/29/2014	6/4/2014	14-05127	Thorium-228	EML Th-01 Modified	1.44E-16	1.89E-16	1.89E-16	3.06E-16	1.04E-16	uCi/ml
14-05127-03	DUP	SN 1037-15 (Outside Office	03/13/14 13:15	5/29/2014	6/4/2014	14-05127	Thorium-228	EML Th-01 Modified	6.06E-17	1.49E-16	1.49E-16	2.83E-16	1.21E-16	uCi/ml
14-05127-04	DO	SN 1037-15 (Outside Office	03/13/14 13:15	5/29/2014	6/4/2014	14-05127	Thorium-228	EML Th-01 Modified	4.05E-17	9.31E-17	9.32E-17	1.81E-16	4.81E-17	uCi/ml
14-05127-05	TRG	SN 1038-16 (Outside Office	02/21/14 15:00	5/29/2014	6/4/2014	14-05127	Thorium-228	EML Th-01 Modified	2.88E-16	1.61E-16	1.63E-16	1.38E-16	3.06E-17	uCi/ml
14-05127-06	TRG	SN 90037-17 (Outside Trans	02/27/14 13:24	5/29/2014	6/4/2014	14-05127	Thorium-228	EML Th-01 Modified	2.22E-16	1.70E-16	1.72E-16	2.07E-16	6.90E-17	uCi/ml
14-05127-07	TRG	SN 90037-18 (Outside Trans	03/14/14 07:45	5/29/2014	6/4/2014	14-05127	Thorium-228	EML Th-01 Modified	1.29E-16	1.15E-16	1.16E-16	1.59E-16	1.06E-16	uCi/ml
14-05127-08	TRG	HI VOL-19 (Conetec)	02/18/14 17:00	5/29/2014	6/4/2014	14-05127	Thorium-228	EML Th-01 Modified	2.80E-14	1.57E-14	1.59E-14	1.18E-14	1.88E-15	uCi/ml
14-05127-09	TRG	HI VOL-20 (Conetec)	02/19/14 16:00	5/29/2014	6/4/2014	14-05127	Thorium-228	EML Th-01 Modified	2.53E-15	3.46E-15	3.47E-15	5.69E-15	2.05E-15	uCi/ml
14-05127-10	TRG	HI VOL-21 (Conetec)	02/20/14 16:00	5/29/2014	6/4/2014	14-05127	Thorium-228	EML Th-01 Modified	5.26E-15	3.35E-15	3.39E-15	3.10E-15	5.95E-16	uCi/ml
14-05127-11	TRG	HI VOL-22 (Geoprobe)	03/10/14 16:00	5/29/2014	6/4/2014	14-05127	Thorium-228	EML Th-01 Modified	6.83E-15	5.05E-15	5.09E-15	5.11E-15	9.20E-16	uCi/ml
14-05127-12	TRG	HI VOL-23 (Geoprobe)	03/12/14 15:45	5/29/2014	6/4/2014	14-05127	Thorium-228	EML Th-01 Modified	6.08E-15	5.32E-15	5.35E-15	5.92E-15	8.69E-16	uCi/ml
14-05127-13	TRG	HI VOL-24 (Geoprobe)	03/13/14 11:00	5/29/2014	6/4/2014	14-05127	Thorium-228	EML Th-01 Modified	1.02E-14	1.14E-14	1.15E-14	1.62E-14	3.43E-15	uCi/ml
14-05127-01	LCS	KNOWN	05/29/14 00:00	5/29/2014	6/4/2014	14-05127	Thorium-230	EML Th-01 Modified	5.47E-06	1.48E-07				uCi/ml
14-05127-01	LCS	SPIKE	05/29/14 00:00	5/29/2014	6/4/2014	14-05127	Thorium-230	EML Th-01 Modified	6.13E-06	9.43E-07	1.21E-06	7.33E-08	1.02E-08	uCi/ml
14-05127-02	MBL	BLANK	05/29/14 00:00	5/29/2014	6/4/2014	14-05127	Thorium-230	EML Th-01 Modified	1.15E-16	1.59E-16	1.59E-16	2.57E-16	6.71E-17	uCi/ml
14-05127-03	DUP	SN 1037-15 (Outside Office	03/13/14 13:15	5/29/2014	6/4/2014	14-05127	Thorium-230	EML Th-01 Modified	3.36E-16	1.99E-16	2.04E-16	1.77E-16	4.38E-17	uCi/ml
14-05127-04	DO	SN 1037-15 (Outside Office	03/13/14 13:15	5/29/2014	6/4/2014	14-05127	Thorium-230	EML Th-01 Modified	1.39E-16	1.11E-16	1.12E-16	9.98E-17	1.18E-17	uCi/ml
14-05127-05	TRG	SN 1038-16 (Outside Office	02/21/14 15:00	5/29/2014	6/4/2014	14-05127	Thorium-230	EML Th-01 Modified	4.57E-16	1.89E-16	1.97E-16	7.11E-17	6.72E-18	uCi/ml
14-05127-06	TRG	SN 90037-17 (Outside Trans	02/27/14 13:24	5/29/2014	6/4/2014	14-05127	Thorium-230	EML Th-01 Modified	4.55E-16	2.17E-16	2.24E-16	1.30E-16	2.58E-17	uCi/ml
14-05127-07	TRG	SN 90037-18 (Outside Trans	03/14/14 07:45	5/29/2014	6/4/2014	14-05127	Thorium-230	EML Th-01 Modified	3.12E-16	1.54E-16	1.58E-16	1.11E-16	5.13E-17	uCi/ml
14-05127-08	TRG	HI VOL-19 (Conetec)	02/18/14 17:00	5/29/2014	6/4/2014	14-05127	Thorium-230	EML Th-01 Modified	2.80E-14	1.46E-14	1.50E-14	8.05E-15	9.48E-16	uCi/ml
14-05127-09	TRG	HI VOL-20 (Conetec)	02/19/14 16:00	5/29/2014	6/4/2014	14-05127	Thorium-230	EML Th-01 Modified	8.64E-15	4.82E-15	4.94E-15	4.05E-15	1.12E-15	uCi/ml
14-05127-10	TRG	HI VOL-21 (Conetec)	02/20/14 16:00	5/29/2014	6/4/2014	14-05127	Thorium-230	EML Th-01 Modified	4.14E-15	2.77E-15	2.82E-15	2.44E-15	4.38E-16	uCi/ml
14-05127-11	TRG	HI VOL-22 (Geoprobe)	03/10/14 16:00	5/29/2014	6/4/2014	14-05127	Thorium-230	EML Th-01 Modified	2.00E-14	8.53E-15	8.88E-15	4.27E-15	1.61E-16	uCi/ml
14-05127-12	TRG	HI VOL-23 (Geoprobe)	03/12/14 15:45	5/29/2014	6/4/2014	14-05127	Thorium-230	EML Th-01 Modified	1.03E-14	6.82E-15	6.94E-15	6.69E-15	1.76E-15	uCi/ml
14-05127-13	TRG	HI VOL-24 (Geoprobe)	03/13/14 11:00	5/29/2014	6/4/2014	14-05127	Thorium-230	EML Th-01 Modified	2.49E-14	1.53E-14	1.56E-14	8.79E-15	8.31E-16	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original; CV=Critica Value

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:						
			Dan Feezor					SDG:	14-05127					
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1					
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL					
			Chatham, IL 62629					Sample Matrix:	AF					
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	CV	Report Units
14-05127-01	LCS	KNOWN	05/29/14 00:00	5/29/2014	6/4/2014	14-05127	Thorium-232	EML Th-01 Modified	5.28E-06	1.90E-07				uCi/ml
14-05127-01	LCS	SPIKE	05/29/14 00:00	5/29/2014	6/4/2014	14-05127	Thorium-232	EML Th-01 Modified	5.75E-06	8.96E-07	1.03E-06	7.87E-08	8.31E-08	uCi/ml
14-05127-02	MBL	BLANK	05/29/14 00:00	5/29/2014	6/4/2014	14-05127	Thorium-232	EML Th-01 Modified	5.24E-18	7.32E-17	7.32E-17	2.09E-16	2.14E-16	uCi/ml
14-05127-03	DUP	SN 1037-15 (Outside Office	03/13/14 13:15	5/29/2014	6/4/2014	14-05127	Thorium-232	EML Th-01 Modified	4.93E-17	8.74E-17	8.75E-17	1.57E-16	1.58E-16	uCi/ml
14-05127-04	DO	SN 1037-15 (Outside Office	03/13/14 13:15	5/29/2014	6/4/2014	14-05127	Thorium-232	EML Th-01 Modified	5.90E-17	7.17E-17	7.19E-17	8.70E-17	1.14E-16	uCi/ml
14-05127-05	TRG	SN 1038-16 (Outside Office	02/21/14 15:00	5/29/2014	6/4/2014	14-05127	Thorium-232	EML Th-01 Modified	3.68E-16	1.68E-16	1.71E-16	8.13E-17	9.55E-17	uCi/ml
14-05127-06	TRG	SN 90037-17 (Outside Trans	02/27/14 13:24	5/29/2014	6/4/2014	14-05127	Thorium-232	EML Th-01 Modified	2.58E-16	1.56E-16	1.57E-16	1.08E-16	1.20E-16	uCi/ml
14-05127-07	TRG	SN 90037-18 (Outside Trans	03/14/14 07:45	5/29/2014	6/4/2014	14-05127	Thorium-232	EML Th-01 Modified	8.23E-17	7.67E-17	7.70E-17	9.33E-17	1.47E-16	uCi/ml
14-05127-08	TRG	HI VOL-19 (Conetec)	02/18/14 17:00	5/29/2014	6/4/2014	14-05127	Thorium-232	EML Th-01 Modified	1.32E-14	9.67E-15	9.73E-15	7.01E-15	9.15E-15	uCi/ml
14-05127-09	TRG	HI VOL-20 (Conetec)	02/19/14 16:00	5/29/2014	6/4/2014	14-05127	Thorium-232	EML Th-01 Modified	5.42E-15	3.66E-15	3.70E-15	3.20E-15	3.28E-15	uCi/ml
14-05127-10	TRG	HI VOL-21 (Conetec)	02/20/14 16:00	5/29/2014	6/4/2014	14-05127	Thorium-232	EML Th-01 Modified	3.93E-15	2.63E-15	2.65E-15	1.95E-15	2.29E-15	uCi/ml
14-05127-11	TRG	HI VOL-22 (Geoprobe)	03/10/14 16:00	5/29/2014	6/4/2014	14-05127	Thorium-232	EML Th-01 Modified	5.57E-15	4.11E-15	4.14E-15	2.97E-15	3.88E-15	uCi/ml
14-05127-12	TRG	HI VOL-23 (Geoprobe)	03/12/14 15:45	5/29/2014	6/4/2014	14-05127	Thorium-232	EML Th-01 Modified	4.06E-15	4.53E-15	4.55E-15	6.46E-15	6.22E-15	uCi/ml
14-05127-13	TRG	HI VOL-24 (Geoprobe)	03/13/14 11:00	5/29/2014	6/4/2014	14-05127	Thorium-232	EML Th-01 Modified	1.44E-14	1.14E-14	1.14E-14	8.77E-15	1.15E-14	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original; CV=Critica Value



FROM: Cecilia Greene

TO: Mr. Dan Feezor, Feezor Engineering

CC: Mr. Paul Rosasco

DATE: 07/22/2014

RE: Transmittal of Validated Results for Eberline Work Order 14-05127

Eberline Services of Oak Ridge, TN has completed their analysis of the Phase 1 air samples in Eberline Work Order 14-05127. The validated results are summarized in Table 1.

The laboratory quality control samples were validated using MARLAP criteria. All laboratory control samples fell within acceptable control limits.

A complete verification of all of the laboratory calculations was performed. 100% of the calculated results were within \pm 10% of the laboratory results.

The full laboratory Level IV report of analysis will be retained at Auxier & Associates offices in Knoxville, TN where it is available for inspection upon request. Should you require additional information or further clarification, please contact me or Mr. Michael Bollenbacher at (865) 675-3669.

Sincerely,

Cecilia Greene, MPH, NRRPT
Auxier & Associates, Inc.
9821 Cogdill Road, Suite 1
Knoxville, TN 37932

cgreene@auxier.com
(865) 675-3669 office
(865) 675-3677 fax
(865) 621-3076 cell

Health Physics and Environmental Radiation Consulting
A USA Environment, L.P. Company

Sample ID	Gross Alpha ($\mu\text{Ci/ml}$)	Gross Beta ($\mu\text{Ci/ml}$)
Analytical Method	LANL MLR-100 Modified	LANL MLR-100 Modified
HI VOL-19 (Conetec)	< 1.14E-13 (1.86E-14 \pm 1.01E-14) {U}	2.44E-13 \pm 5.02E-14 {-}
HI VOL-20 (Conetec)	< 4.36E-14 (0.00E+00 \pm 4.80E-15) {U}	8.63E-14 \pm 1.58E-14 {-}
HI VOL-21 (Conetec)	< 3.65E-14 (7.02E-15 \pm 4.31E-15) {U}	6.61E-14 \pm 1.35E-14 {-}
HI VOL-22 (Geoprobe)	< 4.41E-14 (2.11E-14 \pm 6.65E-15) {U}	1.37E-13 \pm 2.37E-14 {-}
HI VOL-23 (Geoprobe)	< 6.34E-14 (1.44E-14 \pm 7.37E-15) {U}	1.74E-13 \pm 3.03E-14 {-}
HI VOL-24 (Geoprobe)	< 1.18E-13 (3.21E-14 \pm 1.46E-14) {U}	2.87E-13 \pm 5.18E-14 {-}
SN 1037-15 (Outside Office)	3.91E-15 \pm 5.95E-16 {-}	2.13E-14 \pm 3.05E-15 {-}
SN 1038-16 (Outside Office)	6.44E-15 \pm 9.57E-16 {-}	3.16E-14 \pm 4.51E-15 {-}
SN 90037-17 (Outside Trans)	2.10E-15 \pm 3.93E-16 {-}	1.22E-14 \pm 1.80E-15 {-}
SN 90037-18 (Outside Trans)	1.76E-15 \pm 3.42E-16 {-}	1.44E-14 \pm 2.09E-15 {-}

U - Result is less than the Critical Value

Q - Measurement Combined Standard Uncertainty > Required Method Uncertainty

J - Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

Sample ID	Thorium-228 ($\mu\text{Ci/ml}$)	Thorium-230 ($\mu\text{Ci/ml}$)	Thorium-232 ($\mu\text{Ci/ml}$)
Analytical Method	EML Th-01 Modified	EML Th-01 Modified	EML Th-01 Modified
HI VOL-19 (Conetec)	$2.80\text{E-}14 \pm 1.59\text{E-}14 \{-\}$	$2.80\text{E-}14 \pm 1.50\text{E-}14 \{Q\}$	$1.32\text{E-}14 \pm 9.73\text{E-}15 \{-\}$
HI VOL-20 (Conetec)	$2.53\text{E-}15 \pm 3.47\text{E-}15 \{-\}$	$8.64\text{E-}15 \pm 4.94\text{E-}15 \{-\}$	$5.42\text{E-}15 \pm 3.70\text{E-}15 \{-\}$
HI VOL-21 (Conetec)	$5.26\text{E-}15 \pm 3.39\text{E-}15 \{-\}$	$4.14\text{E-}15 \pm 2.82\text{E-}15 \{-\}$	$3.93\text{E-}15 \pm 2.65\text{E-}15 \{-\}$
HI VOL-22 (Geoprobe)	$6.83\text{E-}15 \pm 5.09\text{E-}15 \{-\}$	$2.00\text{E-}14 \pm 8.88\text{E-}15 \{-\}$	$5.57\text{E-}15 \pm 4.14\text{E-}15 \{-\}$
HI VOL-23 (Geoprobe)	$6.08\text{E-}15 \pm 5.35\text{E-}15 \{-\}$	$1.03\text{E-}14 \pm 6.94\text{E-}15 \{-\}$	$< 6.22\text{E-}15 (4.06\text{E-}15 \pm 4.55\text{E-}15) \{U\}$
HI VOL-24 (Geoprobe)	$1.02\text{E-}14 \pm 1.15\text{E-}14 \{-\}$	$2.49\text{E-}14 \pm 1.56\text{E-}14 \{-\}$	$1.44\text{E-}14 \pm 1.14\text{E-}14 \{-\}$
SN 1037-15 (Outside Office)	$< 4.81\text{E-}17 (4.05\text{E-}17 \pm 9.32\text{E-}17) \{U\}$	$1.39\text{E-}16 \pm 1.12\text{E-}16 \{-\}$	$< 1.14\text{E-}16 (5.90\text{E-}17 \pm 7.19\text{E-}17) \{U\}$
SN 1038-16 (Outside Office)	$2.88\text{E-}16 \pm 1.63\text{E-}16 \{-\}$	$4.57\text{E-}16 \pm 1.97\text{E-}16 \{-\}$	$3.68\text{E-}16 \pm 1.71\text{E-}16 \{-\}$
SN 90037-17 (Outside Trans)	$2.22\text{E-}16 \pm 1.72\text{E-}16 \{-\}$	$4.55\text{E-}16 \pm 2.24\text{E-}16 \{-\}$	$2.58\text{E-}16 \pm 1.57\text{E-}16 \{-\}$
SN 90037-18 (Outside Trans)	$1.29\text{E-}16 \pm 1.16\text{E-}16 \{-\}$	$3.12\text{E-}16 \pm 1.58\text{E-}16 \{-\}$	$< 1.47\text{E-}16 (8.23\text{E-}17 \pm 7.70\text{E-}17) \{U\}$

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:						
			Dan Feezor					SDG:	14-05128 SUPPLEMENTAL					
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1					
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL					
			Chatham, IL 62629					Sample Matrix:	AF					
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	CV	Report Units
14-05128-01	LCS	KNOWN	05/29/14 00:00	5/29/2014	5/30/2014	14-05128	Gross Alpha	LANL MLR-100 Modified	2.69E-04	1.16E-05				uCi/ml
14-05128-01	LCS	SPIKE	05/29/14 00:00	5/29/2014	5/30/2014	14-05128	Gross Alpha	LANL MLR-100 Modified	3.02E-04	3.92E-06	3.32E-05	2.53E-07	1.46E-06	uCi/ml
14-05128-02	MBL	BLANK	05/29/14 00:00	5/29/2014	5/30/2014	14-05128	Gross Alpha	LANL MLR-100 Modified	-6.54E-14	4.30E-14	4.36E-14	1.30E-13	5.96E-13	uCi/ml
14-05128-03	DUP	Gilian # 5895-1	02/16/14 13:00	5/29/2014	5/30/2014	14-05128	Gross Alpha	LANL MLR-100 Modified	4.69E-14	1.47E-13	1.47E-13	3.29E-13	3.25E-13	uCi/ml
14-05128-04	DO	Gilian # 5895-1	02/16/14 13:00	5/29/2014	5/30/2014	14-05128	Gross Alpha	LANL MLR-100 Modified	1.58E-14	1.11E-13	1.11E-13	2.68E-13	2.65E-13	uCi/ml
14-05128-05	TRG	Gilian # 5895-2	02/17/14 15:46	5/29/2014	5/30/2014	14-05128	Gross Alpha	LANL MLR-100 Modified	1.42E-13	1.55E-13	1.56E-13	3.01E-13	2.98E-13	uCi/ml
14-05128-06	TRG	Gilian # 5895-3	02/20/14 13:40	5/29/2014	5/30/2014	14-05128	Gross Alpha	LANL MLR-100 Modified	2.03E-13	1.40E-13	1.42E-13	2.04E-13	2.36E-13	uCi/ml
14-05128-07	TRG	Gilian # 5895-4	02/25/14 11:50	5/29/2014	5/30/2014	14-05128	Gross Alpha	LANL MLR-100 Modified	-1.86E-13	2.66E-13	2.67E-13	6.64E-13	2.66E-12	uCi/ml
14-05128-08	TRG	Gilian # 5895-5	03/06/14 16:30	5/29/2014	5/30/2014	14-05128	Gross Alpha	LANL MLR-100 Modified	1.43E-13	3.09E-13	3.10E-13	6.85E-13	5.06E-12	uCi/ml
14-05128-09	TRG	Gilian # 5895-6	03/07/14 14:15	5/29/2014	5/30/2014	14-05128	Gross Alpha	LANL MLR-100 Modified	1.40E-14	1.26E-13	1.26E-13	2.94E-13	1.57E-12	uCi/ml
14-05128-10	TRG	Gilian # 5895-7	03/10/14 16:00	5/29/2014	5/30/2014	14-05128	Gross Alpha	LANL MLR-100 Modified	1.22E-13	1.02E-13	1.03E-13	1.76E-13	1.30E-12	uCi/ml
14-05128-11	TRG	Gilian # 5895-8	03/11/14 15:00	5/29/2014	5/30/2014	14-05128	Gross Alpha	LANL MLR-100 Modified	9.00E-14	1.40E-13	1.41E-13	2.93E-13	1.47E-12	uCi/ml
14-05128-12	TRG	Gilian # 5895-9	03/12/14 15:45	5/29/2014	5/30/2014	14-05128	Gross Alpha	LANL MLR-100 Modified	1.00E-13	1.09E-13	1.09E-13	2.06E-13	1.53E-12	uCi/ml
14-05128-13	TRG	Gilian # 5895-10	03/13/14 11:00	5/29/2014	5/30/2014	14-05128	Gross Alpha	LANL MLR-100 Modified	1.24E-13	2.73E-13	2.73E-13	5.95E-13	3.44E-12	uCi/ml
14-05128-14	TRG	SKC R16184-11 (Conetec Rig)	02/17/14 17:45	5/29/2014	5/30/2014	14-05128	Gross Alpha	LANL MLR-100 Modified	6.33E-15	5.11E-14	5.11E-14	1.21E-13	6.99E-13	uCi/ml
14-05128-15	TRG	SKC R16184-12 (Conetec Rig)	02/18/14 17:00	5/29/2014	5/30/2014	14-05128	Gross Alpha	LANL MLR-100 Modified	5.00E-14	5.00E-14	5.03E-14	9.57E-14	5.53E-13	uCi/ml
14-05128-16	TRG	SKC R16184-13 (Conetec Rig)	02/19/14 16:10	5/29/2014	5/30/2014	14-05128	Gross Alpha	LANL MLR-100 Modified	3.01E-14	5.41E-14	5.42E-14	1.15E-13	6.65E-13	uCi/ml
14-05128-17	TRG	B-14	02/19/14 16:10	5/29/2014	5/30/2014	14-05128	Gross Alpha	LANL MLR-100 Modified	-1.65E-13	6.79E-14	7.03E-14	2.10E-13	8.25E-13	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original; CV=Critica Value

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:						
			Dan Feezor					SDG:	14-05128 SUPPLEMENTAL					
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1					
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL					
			Chatham, IL 62629					Sample Matrix:	AF					
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	CV	Report Units
14-05128-01	LCS	KNOWN	05/29/14 00:00	5/29/2014	5/30/2014	14-05128	Gross Beta	LANL MLR-100 Modified	3.03E-04	9.08E-06				uCi/ml
14-05128-01	LCS	SPIKE	05/29/14 00:00	5/29/2014	5/30/2014	14-05128	Gross Beta	LANL MLR-100 Modified	2.87E-04	3.14E-06	3.98E-05	5.95E-07	2.08E-06	uCi/ml
14-05128-02	MBL	BLANK	05/29/14 00:00	5/29/2014	5/30/2014	14-05128	Gross Beta	LANL MLR-100 Modified	-1.74E-13	1.14E-13	1.16E-13	2.60E-13	9.45E-13	uCi/ml
14-05128-03	DUP	Gilian # 5895-1	02/16/14 13:00	5/29/2014	5/30/2014	14-05128	Gross Beta	LANL MLR-100 Modified	9.78E-13	4.28E-13	4.49E-13	8.19E-13	2.97E-12	uCi/ml
14-05128-04	DO	Gilian # 5895-1	02/16/14 13:00	5/29/2014	5/30/2014	14-05128	Gross Beta	LANL MLR-100 Modified	1.12E-12	3.97E-13	4.26E-13	7.35E-13	2.58E-12	uCi/ml
14-05128-05	TRG	Gilian # 5895-2	02/17/14 15:46	5/29/2014	5/30/2014	14-05128	Gross Beta	LANL MLR-100 Modified	2.51E-12	4.71E-13	5.85E-13	7.28E-13	2.42E-12	uCi/ml
14-05128-06	TRG	Gilian # 5895-3	02/20/14 13:40	5/29/2014	5/30/2014	14-05128	Gross Beta	LANL MLR-100 Modified	2.34E-12	5.63E-13	6.49E-13	9.92E-13	3.64E-12	uCi/ml
14-05128-07	TRG	Gilian # 5895-4	02/25/14 11:50	5/29/2014	5/30/2014	14-05128	Gross Beta	LANL MLR-100 Modified	2.34E-12	5.22E-13	6.14E-13	8.77E-13	3.03E-12	uCi/ml
14-05128-08	TRG	Gilian # 5895-5	03/06/14 16:30	5/29/2014	5/30/2014	14-05128	Gross Beta	LANL MLR-100 Modified	4.49E-12	1.17E-12	1.32E-12	2.03E-12	6.99E-12	uCi/ml
14-05128-09	TRG	Gilian # 5895-6	03/07/14 14:15	5/29/2014	5/30/2014	14-05128	Gross Beta	LANL MLR-100 Modified	1.90E-12	3.51E-13	4.38E-13	5.42E-13	1.82E-12	uCi/ml
14-05128-10	TRG	Gilian # 5895-7	03/10/14 16:00	5/29/2014	5/30/2014	14-05128	Gross Beta	LANL MLR-100 Modified	1.44E-12	3.00E-13	3.60E-13	4.81E-13	1.61E-12	uCi/ml
14-05128-11	TRG	Gilian # 5895-8	03/11/14 15:00	5/29/2014	5/30/2014	14-05128	Gross Beta	LANL MLR-100 Modified	8.36E-13	3.30E-13	3.49E-13	6.20E-13	2.21E-12	uCi/ml
14-05128-12	TRG	Gilian # 5895-9	03/12/14 15:45	5/29/2014	5/30/2014	14-05128	Gross Beta	LANL MLR-100 Modified	2.10E-12	3.94E-13	4.89E-13	6.25E-13	2.13E-12	uCi/ml
14-05128-13	TRG	Gilian # 5895-10	03/13/14 11:00	5/29/2014	5/30/2014	14-05128	Gross Beta	LANL MLR-100 Modified	3.00E-12	7.49E-13	8.56E-13	1.27E-12	4.32E-12	uCi/ml
14-05128-14	TRG	SKC R16184-11 (Conetec Rig)	02/17/14 17:45	5/29/2014	5/30/2014	14-05128	Gross Beta	LANL MLR-100 Modified	8.32E-13	1.63E-13	2.00E-13	2.64E-13	9.04E-13	uCi/ml
14-05128-15	TRG	SKC R16184-12 (Conetec Rig)	02/18/14 17:00	5/29/2014	5/30/2014	14-05128	Gross Beta	LANL MLR-100 Modified	5.44E-13	1.23E-13	1.44E-13	2.01E-13	6.74E-13	uCi/ml
14-05128-16	TRG	SKC R16184-13 (Conetec Rig)	02/19/14 16:10	5/29/2014	5/30/2014	14-05128	Gross Beta	LANL MLR-100 Modified	7.56E-13	1.72E-13	2.01E-13	2.93E-13	1.03E-12	uCi/ml
14-05128-17	TRG	B-14	02/19/14 16:10	5/29/2014	5/30/2014	14-05128	Gross Beta	LANL MLR-100 Modified	3.36E-14	1.94E-13	1.94E-13	4.08E-13	1.67E-12	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original; CV=Critica Value

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:						
			Dan Feezor					SDG:	14-05128 SUPPLEMENTAL					
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1					
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL					
			Chatham, IL 62629					Sample Matrix:	AF					
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	CV	Report Units
14-05128-01	LCS	KNOWN	05/29/14 00:00	5/29/2014	6/4/2014	14-05128	Thorium-228	EML Th-01 Modified	4.87E-06	1.75E-07				uCi/ml
14-05128-01	LCS	SPIKE	05/29/14 00:00	5/29/2014	6/4/2014	14-05128	Thorium-228	EML Th-01 Modified	4.65E-06	7.55E-07	8.73E-07	8.29E-08	1.32E-08	uCi/ml
14-05128-02	MBL	BLANK	05/29/14 00:00	5/29/2014	6/4/2014	14-05128	Thorium-228	EML Th-01 Modified	6.03E-15	1.85E-14	1.85E-14	4.37E-14	4.04E-15	uCi/ml
14-05128-03	DUP	Gilian # 5895-1	02/16/14 13:00	5/29/2014	6/4/2014	14-05128	Thorium-228	EML Th-01 Modified	5.53E-14	9.41E-14	9.42E-14	1.59E-13	1.45E-14	uCi/ml
14-05128-04	DO	Gilian # 5895-1	02/16/14 13:00	5/29/2014	6/4/2014	14-05128	Thorium-228	EML Th-01 Modified	6.70E-14	1.30E-13	1.30E-13	2.44E-13	4.42E-14	uCi/ml
14-05128-05	TRG	Gilian # 5895-2	02/17/14 15:46	5/29/2014	6/4/2014	14-05128	Thorium-228	EML Th-01 Modified	2.35E-13	1.56E-13	1.58E-13	1.38E-13	2.06E-14	uCi/ml
14-05128-06	TRG	Gilian # 5895-3	02/20/14 13:40	5/29/2014	6/4/2014	14-05128	Thorium-228	EML Th-01 Modified	1.68E-13	1.51E-13	1.52E-13	1.77E-13	2.95E-14	uCi/ml
14-05128-07	TRG	Gilian # 5895-4	02/25/14 11:50	5/29/2014	6/4/2014	14-05128	Thorium-228	EML Th-01 Modified	1.03E-13	1.18E-13	1.19E-13	1.54E-13	1.64E-14	uCi/ml
14-05128-08	TRG	Gilian # 5895-5	03/06/14 16:30	5/29/2014	6/4/2014	14-05128	Thorium-228	EML Th-01 Modified	7.51E-13	4.80E-13	4.85E-13	4.03E-13	5.86E-14	uCi/ml
14-05128-09	TRG	Gilian # 5895-6	03/07/14 14:15	5/29/2014	6/4/2014	14-05128	Thorium-228	EML Th-01 Modified	5.27E-14	6.37E-14	6.38E-14	8.95E-14	1.14E-14	uCi/ml
14-05128-10	TRG	Gilian # 5895-7	03/10/14 16:00	5/29/2014	6/4/2014	14-05128	Thorium-228	EML Th-01 Modified	3.57E-14	6.32E-14	6.33E-14	1.13E-13	1.86E-14	uCi/ml
14-05128-11	TRG	Gilian # 5895-8	03/11/14 15:00	5/29/2014	6/4/2014	14-05128	Thorium-228	EML Th-01 Modified	1.27E-13	9.59E-14	9.66E-14	9.53E-14	1.50E-15	uCi/ml
14-05128-12	TRG	Gilian # 5895-9	03/12/14 15:45	5/29/2014	6/4/2014	14-05128	Thorium-228	EML Th-01 Modified	1.01E-13	9.38E-14	9.43E-14	8.74E-14	5.24E-15	uCi/ml
14-05128-13	TRG	Gilian # 5895-10	03/13/14 11:00	5/29/2014	6/4/2014	14-05128	Thorium-228	EML Th-01 Modified	2.65E-13	2.55E-13	2.56E-13	3.08E-13	4.51E-14	uCi/ml
14-05128-14	TRG	SKC R16184-11 (Conetec Rig)	02/17/14 17:45	5/29/2014	6/4/2014	14-05128	Thorium-228	EML Th-01 Modified	3.46E-14	4.11E-14	4.12E-14	5.98E-14	1.05E-14	uCi/ml
14-05128-15	TRG	SKC R16184-12 (Conetec Rig)	02/18/14 17:00	5/29/2014	6/4/2014	14-05128	Thorium-228	EML Th-01 Modified	1.54E-14	3.37E-14	3.37E-14	6.41E-14	1.96E-14	uCi/ml
14-05128-16	TRG	SKC R16184-13 (Conetec Rig)	02/19/14 16:10	5/29/2014	6/4/2014	14-05128	Thorium-228	EML Th-01 Modified	5.02E-14	4.93E-14	4.96E-14	7.27E-14	3.04E-14	uCi/ml
14-05128-17	TRG	B-14	02/19/14 16:10	5/29/2014	6/4/2014	14-05128	Thorium-228	EML Th-01 Modified	9.84E-14	5.87E-14	5.95E-14	5.70E-14	1.48E-14	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original; CV=Critica Value

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:						
			Dan Feezor					SDG:	14-05128 SUPPLEMENTAL					
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1					
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL					
			Chatham, IL 62629					Sample Matrix:	AF					
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	CV	Report Units
14-05128-01	LCS	KNOWN	05/29/14 00:00	5/29/2014	6/4/2014	14-05128	Thorium-230	EML Th-01 Modified	5.45E-06	1.47E-07				uCi/ml
14-05128-01	LCS	SPIKE	05/29/14 00:00	5/29/2014	6/4/2014	14-05128	Thorium-230	EML Th-01 Modified	5.41E-06	8.51E-07	1.08E-06	5.78E-08	5.46E-09	uCi/ml
14-05128-02	MBL	BLANK	05/29/14 00:00	5/29/2014	6/4/2014	14-05128	Thorium-230	EML Th-01 Modified	7.60E-15	1.83E-14	1.83E-14	3.82E-14	3.61E-15	uCi/ml
14-05128-03	DUP	Gillian # 5895-1	02/16/14 13:00	5/29/2014	6/4/2014	14-05128	Thorium-230	EML Th-01 Modified	3.25E-13	2.02E-13	2.06E-13	1.25E-13	1.19E-14	uCi/ml
14-05128-04	DO	Gillian # 5895-1	02/16/14 13:00	5/29/2014	6/4/2014	14-05128	Thorium-230	EML Th-01 Modified	2.49E-13	1.90E-13	1.92E-13	1.75E-13	2.44E-14	uCi/ml
14-05128-05	TRG	Gillian # 5895-2	02/17/14 15:46	5/29/2014	6/4/2014	14-05128	Thorium-230	EML Th-01 Modified	3.33E-13	1.77E-13	1.82E-13	1.25E-13	4.70E-15	uCi/ml
14-05128-06	TRG	Gillian # 5895-3	02/20/14 13:40	5/29/2014	6/4/2014	14-05128	Thorium-230	EML Th-01 Modified	3.38E-13	1.97E-13	2.01E-13	1.43E-13	2.30E-14	uCi/ml
14-05128-07	TRG	Gillian # 5895-4	02/25/14 11:50	5/29/2014	6/4/2014	14-05128	Thorium-230	EML Th-01 Modified	6.54E-13	2.88E-13	2.99E-13	1.40E-13	1.97E-14	uCi/ml
14-05128-08	TRG	Gillian # 5895-5	03/06/14 16:30	5/29/2014	6/4/2014	14-05128	Thorium-230	EML Th-01 Modified	8.43E-13	4.78E-13	4.89E-13	2.95E-13	3.48E-14	uCi/ml
14-05128-09	TRG	Gillian # 5895-6	03/07/14 14:15	5/29/2014	6/4/2014	14-05128	Thorium-230	EML Th-01 Modified	1.74E-13	1.06E-13	1.09E-13	8.72E-14	3.27E-15	uCi/ml
14-05128-10	TRG	Gillian # 5895-7	03/10/14 16:00	5/29/2014	6/4/2014	14-05128	Thorium-230	EML Th-01 Modified	2.87E-13	1.47E-13	1.52E-13	9.34E-14	1.50E-14	uCi/ml
14-05128-11	TRG	Gillian # 5895-8	03/11/14 15:00	5/29/2014	6/4/2014	14-05128	Thorium-230	EML Th-01 Modified	2.46E-13	1.25E-13	1.29E-13	6.10E-14	5.77E-15	uCi/ml
14-05128-12	TRG	Gillian # 5895-9	03/12/14 15:45	5/29/2014	6/4/2014	14-05128	Thorium-230	EML Th-01 Modified	3.47E-13	1.76E-13	1.81E-13	1.16E-13	4.34E-15	uCi/ml
14-05128-13	TRG	Gillian # 5895-10	03/13/14 11:00	5/29/2014	6/4/2014	14-05128	Thorium-230	EML Th-01 Modified	8.21E-13	4.27E-13	4.39E-13	2.67E-13	4.29E-14	uCi/ml
14-05128-14	TRG	SKC R16184-11 (Conetec Rig)	02/17/14 17:45	5/29/2014	6/4/2014	14-05128	Thorium-230	EML Th-01 Modified	2.08E-13	9.01E-14	9.37E-14	4.29E-14	5.99E-15	uCi/ml
14-05128-15	TRG	SKC R16184-12 (Conetec Rig)	02/18/14 17:00	5/29/2014	6/4/2014	14-05128	Thorium-230	EML Th-01 Modified	1.87E-13	7.85E-14	8.18E-14	4.84E-14	1.26E-14	uCi/ml
14-05128-16	TRG	SKC R16184-13 (Conetec Rig)	02/19/14 16:10	5/29/2014	6/4/2014	14-05128	Thorium-230	EML Th-01 Modified	1.84E-13	7.46E-14	7.80E-14	4.45E-14	1.10E-14	uCi/ml
14-05128-17	TRG	B-14	02/19/14 16:10	5/29/2014	6/4/2014	14-05128	Thorium-230	EML Th-01 Modified	1.65E-13	6.96E-14	7.25E-14	3.08E-14	3.63E-15	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original; CV=Critica Value

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:						
			Dan Feezor					SDG:	14-05128 SUPPLEMENTAL					
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1					
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL					
			Chatham, IL 62629					Sample Matrix:	AF					
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	CV	Report Units
14-05128-01	LCS	KNOWN	05/29/14 00:00	5/29/2014	6/4/2014	14-05128	Thorium-232	EML Th-01 Modified	4.87E-06	1.75E-07				uCi/ml
14-05128-01	LCS	SPIKE	05/29/14 00:00	5/29/2014	6/4/2014	14-05128	Thorium-232	EML Th-01 Modified	4.55E-06	7.42E-07	8.44E-07	7.80E-08	8.24E-08	uCi/ml
14-05128-02	MBL	BLANK	05/29/14 00:00	5/29/2014	6/4/2014	14-05128	Thorium-232	EML Th-01 Modified	3.50E-14	3.66E-14	3.67E-14	3.81E-14	4.98E-14	uCi/ml
14-05128-03	DUP	Gilian # 5895-1	02/16/14 13:00	5/29/2014	6/4/2014	14-05128	Thorium-232	EML Th-01 Modified	1.10E-13	1.19E-13	1.19E-13	1.43E-13	1.69E-13	uCi/ml
14-05128-04	DO	Gilian # 5895-1	02/16/14 13:00	5/29/2014	6/4/2014	14-05128	Thorium-232	EML Th-01 Modified	1.22E-13	1.33E-13	1.33E-13	1.59E-13	1.87E-13	uCi/ml
14-05128-05	TRG	Gilian # 5895-2	02/17/14 15:46	5/29/2014	6/4/2014	14-05128	Thorium-232	EML Th-01 Modified	9.68E-14	9.30E-14	9.34E-14	9.93E-14	1.17E-13	uCi/ml
14-05128-06	TRG	Gilian # 5895-3	02/20/14 13:40	5/29/2014	6/4/2014	14-05128	Thorium-232	EML Th-01 Modified	1.55E-13	1.56E-13	1.57E-13	2.22E-13	2.08E-13	uCi/ml
14-05128-07	TRG	Gilian # 5895-4	02/25/14 11:50	5/29/2014	6/4/2014	14-05128	Thorium-232	EML Th-01 Modified	1.77E-13	1.43E-13	1.43E-13	1.27E-13	1.50E-13	uCi/ml
14-05128-08	TRG	Gilian # 5895-5	03/06/14 16:30	5/29/2014	6/4/2014	14-05128	Thorium-232	EML Th-01 Modified	4.93E-13	3.73E-13	3.75E-13	3.69E-13	3.25E-13	uCi/ml
14-05128-09	TRG	Gilian # 5895-6	03/07/14 14:15	5/29/2014	6/4/2014	14-05128	Thorium-232	EML Th-01 Modified	1.60E-13	1.02E-13	1.03E-13	8.70E-14	7.67E-14	uCi/ml
14-05128-10	TRG	Gilian # 5895-7	03/10/14 16:00	5/29/2014	6/4/2014	14-05128	Thorium-232	EML Th-01 Modified	9.63E-14	8.14E-14	8.18E-14	6.90E-14	9.04E-14	uCi/ml
14-05128-11	TRG	Gilian # 5895-8	03/11/14 15:00	5/29/2014	6/4/2014	14-05128	Thorium-232	EML Th-01 Modified	1.17E-13	8.81E-14	8.87E-14	8.75E-14	7.71E-14	uCi/ml
14-05128-12	TRG	Gilian # 5895-9	03/12/14 15:45	5/29/2014	6/4/2014	14-05128	Thorium-232	EML Th-01 Modified	1.70E-13	1.17E-13	1.18E-13	8.03E-14	1.05E-13	uCi/ml
14-05128-13	TRG	Gilian # 5895-10	03/13/14 11:00	5/29/2014	6/4/2014	14-05128	Thorium-232	EML Th-01 Modified	4.26E-13	3.05E-13	3.07E-13	2.84E-13	2.50E-13	uCi/ml
14-05128-14	TRG	SKC R16184-11 (Conetec Rig)	02/17/14 17:45	5/29/2014	6/4/2014	14-05128	Thorium-232	EML Th-01 Modified	5.97E-14	4.68E-14	4.71E-14	4.60E-14	4.86E-14	uCi/ml
14-05128-15	TRG	SKC R16184-12 (Conetec Rig)	02/18/14 17:00	5/29/2014	6/4/2014	14-05128	Thorium-232	EML Th-01 Modified	5.36E-14	4.01E-14	4.04E-14	3.94E-14	4.03E-14	uCi/ml
14-05128-16	TRG	SKC R16184-13 (Conetec Rig)	02/19/14 16:10	5/29/2014	6/4/2014	14-05128	Thorium-232	EML Th-01 Modified	6.86E-14	4.41E-14	4.45E-14	3.94E-14	3.95E-14	uCi/ml
14-05128-17	TRG	B-14	02/19/14 16:10	5/29/2014	6/4/2014	14-05128	Thorium-232	EML Th-01 Modified	1.02E-13	5.30E-14	5.37E-14	2.68E-14	3.50E-14	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original; CV=Critica Value



FROM: Cecilia Greene

TO: Mr. Dan Feezor, Feezor Engineering

CC: Mr. Paul Rosasco

DATE: 07/22/2014

RE: Transmittal of Validated Results for Eberline Work Order 14-05128

Eberline Services of Oak Ridge, TN has completed their analysis of the Phase 1 air samples in Eberline Work Order 14-05128. The validated results are summarized in Table 1.

The laboratory quality control samples were validated using MARLAP criteria. All laboratory control samples fell within acceptable control limits.

A complete verification of all of the laboratory calculations was performed. 100% of the calculated results were within \pm 10% of the laboratory results.

The full laboratory Level IV report of analysis will be retained at Auxier & Associates offices in Knoxville, TN where it is available for inspection upon request. Should you require additional information or further clarification, please contact me or Mr. Michael Bollenbacher at (865) 675-3669.

Sincerely,

Cecilia Greene, MPH, NRRPT
Auxier & Associates, Inc.
9821 Cogdill Road, Suite 1
Knoxville, TN 37932

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(865) 675-3669 office
(865) 675-3677 fax
(865) 621-3076 cell

Health Physics and Environmental Radiation Consulting
A USA Environment, L.P. Company

Sample ID	Gross Alpha ($\mu\text{Ci/ml}$)	Gross Beta ($\mu\text{Ci/ml}$)
Analytical Method	LANL MLR-100 Modified	LANL MLR-100 Modified
Gilian # 5895-1	< 2.65E-13 (1.58E-14 \pm 1.11E-13) {U}	< 2.58E-12 (1.12E-12 \pm 4.26E-13) {UQJ}
Gilian # 5895-2	< 2.98E-13 (1.42E-13 \pm 1.56E-13) {U}	2.51E-12 \pm 5.85E-13 {J}
Gilian # 5895-3	< 2.36E-13 (2.03E-13 \pm 1.42E-13) {U}	< 3.64E-12 (2.34E-12 \pm 6.49E-13) {UQJ}
Gilian # 5895-4	< 2.66E-12 (-1.86E-13 \pm 2.67E-13) {U}	< 3.03E-12 (2.34E-12 \pm 6.14E-13) {UQJ}
Gilian # 5895-5	< 5.06E-12 (1.43E-13 \pm 3.10E-13) {U}	< 6.99E-12 (4.49E-12 \pm 1.32E-12) {UQJ}
Gilian # 5895-6	< 1.57E-12 (1.40E-14 \pm 1.26E-13) {U}	1.90E-12 \pm 4.38E-13 {-}
Gilian # 5895-7	< 1.30E-12 (1.22E-13 \pm 1.03E-13) {U}	< 1.61E-12 (1.44E-12 \pm 3.60E-13) {UQ}
Gilian # 5895-8	< 1.47E-12 (9.00E-14 \pm 1.41E-13) {U}	< 2.21E-12 (8.36E-13 \pm 3.49E-13) {UQ}
Gilian # 5895-9	< 1.53E-12 (1.00E-13 \pm 1.09E-13) {U}	< 2.13E-12 (2.10E-12 \pm 4.89E-13) {U}
Gilian # 5895-10	< 3.44E-12 (1.24E-13 \pm 2.73E-13) {U}	< 4.32E-12 (3.00E-12 \pm 8.56E-13) {UQJ}
SKC R16184-11 (Conetec Rig)	< 6.99E-13 (6.33E-15 \pm 5.11E-14) {U}	< 9.04E-13 (8.32E-13 \pm 2.00E-13) {U}
SKC R16184-12 (Conetec Rig)	< 5.53E-13 (5.00E-14 \pm 5.03E-14) {U}	< 6.74E-13 (5.44E-13 \pm 1.44E-13) {U}
SKC R16184-13 (Conetec Rig)	< 6.65E-13 (3.01E-14 \pm 5.42E-14) {U}	< 1.03E-12 (7.56E-13 \pm 2.01E-13) {U}

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

Sample ID	Thorium-228 ($\mu\text{Ci/ml}$)	Thorium-230 ($\mu\text{Ci/ml}$)	Thorium-232 ($\mu\text{Ci/ml}$)
Analytical Method	EML Th-01 Modified	EML Th-01 Modified	EML Th-01 Modified
Gilian # 5895-1	$6.70\text{E-}14 \pm 1.30\text{E-}13 \{-\}$	$2.49\text{E-}13 \pm 1.92\text{E-}13 \{-\}$	$< 1.87\text{E-}13 (1.22\text{E-}13 \pm 1.33\text{E-}13) \{U\}$
Gilian # 5895-2	$2.35\text{E-}13 \pm 1.58\text{E-}13 \{-\}$	$3.33\text{E-}13 \pm 1.82\text{E-}13 \{-\}$	$< 1.17\text{E-}13 (9.68\text{E-}14 \pm 9.34\text{E-}14) \{U\}$
Gilian # 5895-3	$1.68\text{E-}13 \pm 1.52\text{E-}13 \{-\}$	$3.38\text{E-}13 \pm 2.01\text{E-}13 \{-\}$	$< 2.08\text{E-}13 (1.55\text{E-}13 \pm 1.57\text{E-}13) \{U\}$
Gilian # 5895-4	$1.03\text{E-}13 \pm 1.19\text{E-}13 \{-\}$	$6.54\text{E-}13 \pm 2.99\text{E-}13 \{-\}$	$1.77\text{E-}13 \pm 1.43\text{E-}13 \{-\}$
Gilian # 5895-5	$7.51\text{E-}13 \pm 4.85\text{E-}13 \{-\}$	$8.43\text{E-}13 \pm 4.89\text{E-}13 \{-\}$	$4.93\text{E-}13 \pm 3.75\text{E-}13 \{Q\}$
Gilian # 5895-6	$5.27\text{E-}14 \pm 6.38\text{E-}14 \{-\}$	$1.74\text{E-}13 \pm 1.09\text{E-}13 \{-\}$	$1.60\text{E-}13 \pm 1.03\text{E-}13 \{-\}$
Gilian # 5895-7	$3.57\text{E-}14 \pm 6.33\text{E-}14 \{-\}$	$2.87\text{E-}13 \pm 1.52\text{E-}13 \{-\}$	$9.63\text{E-}14 \pm 8.18\text{E-}14 \{-\}$
Gilian # 5895-8	$1.27\text{E-}13 \pm 9.66\text{E-}14 \{-\}$	$2.46\text{E-}13 \pm 1.29\text{E-}13 \{-\}$	$1.17\text{E-}13 \pm 8.87\text{E-}14 \{-\}$
Gilian # 5895-9	$1.01\text{E-}13 \pm 9.43\text{E-}14 \{-\}$	$3.47\text{E-}13 \pm 1.81\text{E-}13 \{-\}$	$1.70\text{E-}13 \pm 1.18\text{E-}13 \{-\}$
Gilian # 5895-10	$2.65\text{E-}13 \pm 2.56\text{E-}13 \{-\}$	$8.21\text{E-}13 \pm 4.39\text{E-}13 \{-\}$	$4.26\text{E-}13 \pm 3.07\text{E-}13 \{Q\}$
SKC R16184-11 (Conetec Rig)	$3.46\text{E-}14 \pm 4.12\text{E-}14 \{-\}$	$2.08\text{E-}13 \pm 9.37\text{E-}14 \{-\}$	$5.97\text{E-}14 \pm 4.71\text{E-}14 \{-\}$
SKC R16184-12 (Conetec Rig)	$< 1.96\text{E-}14 (1.54\text{E-}14 \pm 3.37\text{E-}14) \{U\}$	$1.87\text{E-}13 \pm 8.18\text{E-}14 \{-\}$	$5.36\text{E-}14 \pm 4.04\text{E-}14 \{-\}$
SKC R16184-13 (Conetec Rig)	$5.02\text{E-}14 \pm 4.96\text{E-}14 \{-\}$	$1.84\text{E-}13 \pm 7.80\text{E-}14 \{-\}$	$6.86\text{E-}14 \pm 4.45\text{E-}14 \{-\}$

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:						
			Dan Feezor					SDG:	14-05129					
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1					
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL					
			Chatham, IL 62629					Sample Matrix:	AF					
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	CV	Report Units
14-05129-01	LCS	KNOWN	05/29/14 00:00	5/29/2014	5/30/2014	14-05129	Gross Alpha	LANL MLR-100 Modified	2.68E-04	1.15E-04				uCi/ml
14-05129-01	LCS	SPIKE	05/29/14 00:00	5/29/2014	5/30/2014	14-05129	Gross Alpha	LANL MLR-100 Modified	3.04E-04	3.90E-06	3.34E-05	2.49E-07	1.44E-06	uCi/ml
14-05129-02	MBL	BLANK	05/29/14 00:00	5/29/2014	5/30/2014	14-05129	Gross Alpha	LANL MLR-100 Modified	-1.85E-15	2.40E-15	2.41E-15	7.07E-15	4.08E-14	uCi/ml
14-05129-03	DUP	SN 2981-25 (Work Area)	02/16/14 15:00	5/29/2014	5/30/2014	14-05129	Gross Alpha	LANL MLR-100 Modified	2.06E-14	6.22E-15	6.62E-15	7.61E-15	4.07E-14	uCi/ml
14-05129-04	DO	SN 2981-25 (Work Area)	02/16/14 15:00	5/29/2014	5/30/2014	14-05129	Gross Alpha	LANL MLR-100 Modified	1.17E-14	5.70E-15	5.85E-15	9.21E-15	4.41E-14	uCi/ml
14-05129-05	TRG	SN 2981-26 (Work Area-Fr)	02/17/14 15:46	5/29/2014	5/30/2014	14-05129	Gross Alpha	LANL MLR-100 Modified	3.40E-14	1.03E-14	1.10E-14	1.21E-14	6.96E-14	uCi/ml
14-05129-06	TRG	SN 2981-27 (Work Area)	02/25/14 11:50	5/29/2014	5/30/2014	14-05129	Gross Alpha	LANL MLR-100 Modified	1.66E-14	1.09E-14	1.10E-14	1.95E-14	8.96E-14	uCi/ml
14-05129-07	TRG	SN 2981-28 (Work Area-Geo)	03/06/14 16:30	5/29/2014	5/30/2014	14-05129	Gross Alpha	LANL MLR-100 Modified	5.88E-15	2.40E-15	2.48E-15	3.43E-15	1.84E-14	uCi/ml
14-05129-08	TRG	SN 2981-29 (Work Area-Geo)	03/07/14 14:15	5/29/2014	5/30/2014	14-05129	Gross Alpha	LANL MLR-100 Modified	1.39E-14	6.61E-15	6.78E-15	9.40E-15	6.01E-14	uCi/ml
14-05129-09	TRG	SN 2981-30 (Work Area-Geo)	03/11/14 15:00	5/29/2014	5/30/2014	14-05129	Gross Alpha	LANL MLR-100 Modified	1.94E-14	5.85E-15	6.22E-15	4.67E-15	4.41E-14	uCi/ml
14-05129-10	TRG	B-31	03/11/14 15:00	5/29/2014	5/30/2014	14-05129	Gross Alpha	LANL MLR-100 Modified	2.29E-15	6.77E-15	6.77E-15	1.47E-14	5.87E-14	uCi/ml
14-05129-01	LCS	KNOWN	05/29/14 00:00	5/29/2014	5/30/2014	14-05129	Gross Beta	LANL MLR-100 Modified	3.02E-04	9.05E-06				uCi/ml
14-05129-01	LCS	SPIKE	05/29/14 00:00	5/29/2014	5/30/2014	14-05129	Gross Beta	LANL MLR-100 Modified	2.95E-04	3.23E-06	4.09E-05	5.22E-07	1.75E-06	uCi/ml
14-05129-02	MBL	BLANK	05/29/14 00:00	5/29/2014	5/30/2014	14-05129	Gross Beta	LANL MLR-100 Modified	-2.03E-15	8.32E-15	8.33E-15	1.80E-14	6.33E-14	uCi/ml
14-05129-03	DUP	SN 2981-25 (Work Area)	02/16/14 15:00	5/29/2014	5/30/2014	14-05129	Gross Beta	LANL MLR-100 Modified	1.25E-13	1.29E-14	2.15E-14	1.64E-14	5.68E-14	uCi/ml
14-05129-04	DO	SN 2981-25 (Work Area)	02/16/14 15:00	5/29/2014	5/30/2014	14-05129	Gross Beta	LANL MLR-100 Modified	1.17E-13	1.38E-14	2.12E-14	1.96E-14	7.10E-14	uCi/ml
14-05129-05	TRG	SN 2981-26 (Work Area-Fr)	02/17/14 15:46	5/29/2014	5/30/2014	14-05129	Gross Beta	LANL MLR-100 Modified	1.59E-13	2.02E-14	2.99E-14	2.83E-14	9.88E-14	uCi/ml
14-05129-06	TRG	SN 2981-27 (Work Area)	02/25/14 11:50	5/29/2014	5/30/2014	14-05129	Gross Beta	LANL MLR-100 Modified	1.87E-13	2.59E-14	3.65E-14	3.91E-14	1.42E-13	uCi/ml
14-05129-07	TRG	SN 2981-28 (Work Area-Geo)	03/06/14 16:30	5/29/2014	5/30/2014	14-05129	Gross Beta	LANL MLR-100 Modified	3.16E-14	5.33E-15	6.88E-15	8.55E-15	3.12E-14	uCi/ml
14-05129-08	TRG	SN 2981-29 (Work Area-Geo)	03/07/14 14:15	5/29/2014	5/30/2014	14-05129	Gross Beta	LANL MLR-100 Modified	1.72E-13	1.85E-14	3.01E-14	2.27E-14	7.62E-14	uCi/ml
14-05129-09	TRG	SN 2981-30 (Work Area-Geo)	03/11/14 15:00	5/29/2014	5/30/2014	14-05129	Gross Beta	LANL MLR-100 Modified	1.24E-13	1.54E-14	2.31E-14	2.27E-14	8.36E-14	uCi/ml
14-05129-10	TRG	B-31	03/11/14 15:00	5/29/2014	5/30/2014	14-05129	Gross Beta	LANL MLR-100 Modified	8.51E-14	1.29E-14	1.74E-14	1.94E-14	6.68E-14	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original; CV = Critical Value

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:						
			Dan Feezor					SDG:	14-05129					
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1					
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL					
			Chatham, IL 62629					Sample Matrix:	AF					
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	CV	Report Units
14-05129-01	LCS	KNOWN	05/29/14 00:00	5/29/2014	6/4/2014	14-05129	Thorium-228	EML Th-01 Modified	4.96E-06	1.79E-07				uCi/ml
14-05129-01	LCS	SPIKE	05/29/14 00:00	5/29/2014	6/4/2014	14-05129	Thorium-228	EML Th-01 Modified	5.64E-06	8.99E-07	1.04E-06	1.07E-07	2.61E-08	uCi/ml
14-05129-02	MBL	BLANK	05/29/14 00:00	5/29/2014	6/4/2014	14-05129	Thorium-228	EML Th-01 Modified	-1.01E-15	1.12E-15	1.12E-15	4.12E-15	1.51E-15	uCi/ml
14-05129-03	DUP	SN 2981-25 (Work Area)	02/16/14 15:00	5/29/2014	6/4/2014	14-05129	Thorium-228	EML Th-01 Modified	1.20E-15	4.36E-15	4.36E-15	8.81E-15	3.59E-15	uCi/ml
14-05129-04	DO	SN 2981-25 (Work Area)	02/16/14 15:00	5/29/2014	6/4/2014	14-05129	Thorium-228	EML Th-01 Modified	-2.34E-17	2.47E-15	2.47E-15	7.32E-15	1.17E-15	uCi/ml
14-05129-05	TRG	SN 2981-26 (Work Area-Fr)	02/17/14 15:46	5/29/2014	6/4/2014	14-05129	Thorium-228	EML Th-01 Modified	2.41E-14	1.25E-14	1.27E-14	1.14E-14	4.10E-15	uCi/ml
14-05129-06	TRG	SN 2981-27 (Work Area)	02/25/14 11:50	5/29/2014	6/4/2014	14-05129	Thorium-228	EML Th-01 Modified	1.38E-14	8.46E-15	8.56E-15	7.50E-15	1.45E-15	uCi/ml
14-05129-07	TRG	SN 2981-28 (Work Area-Geo)	03/06/14 16:30	5/29/2014	6/4/2014	14-05129	Thorium-228	EML Th-01 Modified	8.32E-15	4.51E-15	4.57E-15	3.08E-15	5.52E-16	uCi/ml
14-05129-08	TRG	SN 2981-29 (Work Area-Geo)	03/07/14 14:15	5/29/2014	6/4/2014	14-05129	Thorium-228	EML Th-01 Modified	1.70E-14	9.86E-15	9.99E-15	7.18E-15	1.05E-15	uCi/ml
14-05129-09	TRG	SN 2981-30 (Work Area-Geo)	03/11/14 15:00	5/29/2014	6/4/2014	14-05129	Thorium-228	EML Th-01 Modified	9.29E-15	6.40E-15	6.46E-15	6.31E-15	1.33E-15	uCi/ml
14-05129-10	TRG	B-31	03/11/14 15:00	5/29/2014	6/4/2014	14-05129	Thorium-228	EML Th-01 Modified	7.62E-15	5.54E-15	5.58E-15	5.35E-15	8.77E-16	uCi/ml
14-05129-01	LCS	KNOWN	05/29/14 00:00	5/29/2014	6/4/2014	14-05129	Thorium-230	EML Th-01 Modified	5.43E-06	1.47E-07				uCi/ml
14-05129-01	LCS	SPIKE	05/29/14 00:00	5/29/2014	6/4/2014	14-05129	Thorium-230	EML Th-01 Modified	6.35E-06	9.90E-07	1.26E-06	6.07E-08	5.73E-09	uCi/ml
14-05129-02	MBL	BLANK	05/29/14 00:00	5/29/2014	6/4/2014	14-05129	Thorium-230	EML Th-01 Modified	4.07E-15	2.91E-15	2.95E-15	2.86E-15	5.65E-16	uCi/ml
14-05129-03	DUP	SN 2981-25 (Work Area)	02/16/14 15:00	5/29/2014	6/4/2014	14-05129	Thorium-230	EML Th-01 Modified	7.64E-15	5.42E-15	5.50E-15	5.97E-15	1.73E-15	uCi/ml
14-05129-04	DO	SN 2981-25 (Work Area)	02/16/14 15:00	5/29/2014	6/4/2014	14-05129	Thorium-230	EML Th-01 Modified	1.01E-14	6.75E-15	6.87E-15	5.00E-15	5.89E-16	uCi/ml
14-05129-05	TRG	SN 2981-26 (Work Area-Fr)	02/17/14 15:46	5/29/2014	6/4/2014	14-05129	Thorium-230	EML Th-01 Modified	2.69E-14	1.22E-14	1.27E-14	8.10E-15	2.24E-15	uCi/ml
14-05129-06	TRG	SN 2981-27 (Work Area)	02/25/14 11:50	5/29/2014	6/4/2014	14-05129	Thorium-230	EML Th-01 Modified	2.69E-14	1.14E-14	1.19E-14	5.94E-15	1.06E-15	uCi/ml
14-05129-07	TRG	SN 2981-28 (Work Area-Geo)	03/06/14 16:30	5/29/2014	6/4/2014	14-05129	Thorium-230	EML Th-01 Modified	1.07E-14	5.02E-15	5.19E-15	2.56E-15	9.63E-17	uCi/ml
14-05129-08	TRG	SN 2981-29 (Work Area-Geo)	03/07/14 14:15	5/29/2014	6/4/2014	14-05129	Thorium-230	EML Th-01 Modified	2.56E-14	1.22E-14	1.26E-14	8.07E-15	2.12E-15	uCi/ml
14-05129-09	TRG	SN 2981-30 (Work Area-Geo)	03/11/14 15:00	5/29/2014	6/4/2014	14-05129	Thorium-230	EML Th-01 Modified	2.35E-14	9.96E-15	1.04E-14	3.41E-15	3.22E-16	uCi/ml
14-05129-10	TRG	B-31	03/11/14 15:00	5/29/2014	6/4/2014	14-05129	Thorium-230	EML Th-01 Modified	2.33E-14	9.68E-15	1.01E-14	3.26E-15	3.09E-16	uCi/ml
14-05129-01	LCS	KNOWN	05/29/14 00:00	5/29/2014	6/4/2014	14-05129	Thorium-232	EML Th-01 Modified	4.96E-06	1.79E-07				uCi/ml
14-05129-01	LCS	SPIKE	05/29/14 00:00	5/29/2014	6/4/2014	14-05129	Thorium-232	EML Th-01 Modified	5.38E-06	8.65E-07	9.86E-07	6.94E-08	8.15E-08	uCi/ml
14-05129-02	MBL	BLANK	05/29/14 00:00	5/29/2014	6/4/2014	14-05129	Thorium-232	EML Th-01 Modified	-2.31E-16	9.26E-16	9.26E-16	2.38E-15	2.63E-15	uCi/ml
14-05129-03	DUP	SN 2981-25 (Work Area)	02/16/14 15:00	5/29/2014	6/4/2014	14-05129	Thorium-232	EML Th-01 Modified	1.39E-15	2.69E-15	2.70E-15	5.04E-15	4.96E-15	uCi/ml
14-05129-04	DO	SN 2981-25 (Work Area)	02/16/14 15:00	5/29/2014	6/4/2014	14-05129	Thorium-232	EML Th-01 Modified	5.04E-15	4.68E-15	4.70E-15	4.35E-15	5.68E-15	uCi/ml
14-05129-05	TRG	SN 2981-26 (Work Area-Fr)	02/17/14 15:46	5/29/2014	6/4/2014	14-05129	Thorium-232	EML Th-01 Modified	1.51E-14	8.70E-15	8.80E-15	6.39E-15	6.55E-15	uCi/ml
14-05129-06	TRG	SN 2981-27 (Work Area)	02/25/14 11:50	5/29/2014	6/4/2014	14-05129	Thorium-232	EML Th-01 Modified	1.85E-14	9.11E-15	9.25E-15	4.74E-15	5.57E-15	uCi/ml
14-05129-07	TRG	SN 2981-28 (Work Area-Geo)	03/06/14 16:30	5/29/2014	6/4/2014	14-05129	Thorium-232	EML Th-01 Modified	1.02E-14	4.81E-15	4.89E-15	1.78E-15	2.33E-15	uCi/ml
14-05129-08	TRG	SN 2981-29 (Work Area-Geo)	03/07/14 14:15	5/29/2014	6/4/2014	14-05129	Thorium-232	EML Th-01 Modified	1.70E-14	9.66E-15	9.77E-15	7.80E-15	7.50E-15	uCi/ml
14-05129-09	TRG	SN 2981-30 (Work Area-Geo)	03/11/14 15:00	5/29/2014	6/4/2014	14-05129	Thorium-232	EML Th-01 Modified	1.37E-14	7.20E-15	7.30E-15	3.40E-15	4.44E-15	uCi/ml
14-05129-10	TRG	B-31	03/11/14 15:00	5/29/2014	6/4/2014	14-05129	Thorium-232	EML Th-01 Modified	6.88E-15	4.81E-15	4.85E-15	3.25E-15	4.26E-15	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original; CV = Critical Value



FROM: Cecilia Greene

TO: Mr. Dan Feezor, Feezor Engineering

CC: Mr. Paul Rosasco

DATE: 07/22/2014

RE: Transmittal of Validated Results for Eberline Work Order 14-05129

Eberline Services of Oak Ridge, TN has completed their analysis of the Phase 1 air samples in Eberline Work Order 14-05129. The validated results are summarized in Table 1.

The laboratory quality control samples were validated using MARLAP criteria. All laboratory control samples fell within acceptable control limits.

A complete verification of all of the laboratory calculations was performed. 100% of the calculated results were within \pm 10% of the laboratory results.

The full laboratory Level IV report of analysis will be retained at Auxier & Associates offices in Knoxville, TN where it is available for inspection upon request. Should you require additional information or further clarification, please contact me or Mr. Michael Bollenbacher at (865) 675-3669.

Sincerely,

Cecilia Greene, MPH, NRRPT
Auxier & Associates, Inc.
9821 Cogdill Road, Suite 1
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(865) 621-3076 cell

Health Physics and Environmental Radiation Consulting
A USA Environment, L.P. Company

Sample ID	Gross Alpha ($\mu\text{Ci/ml}$)	Gross Beta ($\mu\text{Ci/ml}$)
Analytical Method	LANL MLR-100 Modified	LANL MLR-100 Modified
SN 2981-25 (Work Area)	< 4.41E-14 (1.17E-14 \pm 5.85E-15) {U}	1.17E-13 \pm 2.12E-14 {-}
SN 2981-26 (Work Area-Fr)	< 6.96E-14 (3.40E-14 \pm 1.10E-14) {U}	1.59E-13 \pm 2.99E-14 {-}
SN 2981-27 (Work Area)	< 8.96E-14 (1.66E-14 \pm 1.10E-14) {U}	1.87E-13 \pm 3.65E-14 {-}
SN 2981-28 (Work Area-Geo)	< 1.84E-14 (5.88E-15 \pm 2.48E-15) {U}	3.16E-14 \pm 6.88E-15 {-}
SN 2981-29 (Work Area-Geo)	< 6.01E-14 (1.39E-14 \pm 6.78E-15) {U}	1.72E-13 \pm 3.01E-14 {-}
SN 2981-30 (Work Area-Geo)	< 4.41E-14 (1.94E-14 \pm 6.22E-15) {U}	1.24E-13 \pm 2.31E-14 {-}

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

Sample ID	Thorium-228 ($\mu\text{Ci/ml}$)	Thorium-230 ($\mu\text{Ci/ml}$)	Thorium-232 ($\mu\text{Ci/ml}$)
Analytical Method	EML Th-01 Modified	EML Th-01 Modified	EML Th-01 Modified
SN 2981-25 (Work Area)	< 1.17E-15 (-2.34E-17 \pm 2.47E-15) {U}	1.01E-14 \pm 6.87E-15 {-}	< 5.68E-15 (5.04E-15 \pm 4.70E-15) {U}
SN 2981-26 (Work Area-Fr)	2.41E-14 \pm 1.27E-14 {-}	2.69E-14 \pm 1.27E-14 {-}	1.51E-14 \pm 8.80E-15 {-}
SN 2981-27 (Work Area)	1.38E-14 \pm 8.56E-15 {-}	2.69E-14 \pm 1.19E-14 {-}	1.85E-14 \pm 9.25E-15 {-}
SN 2981-28 (Work Area-Geo)	8.32E-15 \pm 4.57E-15 {-}	1.07E-14 \pm 5.19E-15 {-}	1.02E-14 \pm 4.89E-15 {-}
SN 2981-29 (Work Area-Geo)	1.70E-14 \pm 9.99E-15 {-}	2.56E-14 \pm 1.26E-14 {-}	1.70E-14 \pm 9.77E-15 {-}
SN 2981-30 (Work Area-Geo)	9.29E-15 \pm 6.46E-15 {-}	2.35E-14 \pm 1.04E-14 {-}	1.37E-14 \pm 7.30E-15 {-}

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

Eberline Analytical Final Report of Analysis			Report To:					Work Order Details:						
			Dan Feezor					SDG:	14-06032					
			Feezor Engineering, Inc.					Purchase Order:	BT-026-PO1					
			406 East Walnut Street					Analysis Category:	ENVIRONMENTAL					
			Chatham, IL 62629					Sample Matrix:	AF					
Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	CV	Report Units
14-06032-01	LCS	KNOWN	06/10/14 00:00	6/10/2014	6/12/2014	14-06032	Gross Alpha	LANL MLR-100 Modified	2.70E-04	1.16E-05				uCi/ml
14-06032-01	LCS	SPIKE	06/10/14 00:00	6/10/2014	6/12/2014	14-06032	Gross Alpha	LANL MLR-100 Modified	2.71E-04	3.69E-06	2.98E-05	2.75E-07	2.72E-07	uCi/ml
14-06032-02	MBL	BLANK	06/10/14 00:00	6/10/2014	6/12/2014	14-06032	Gross Alpha	LANL MLR-100 Modified	-8.86E-18	8.33E-17	8.33E-17	2.01E-16	2.02E-16	uCi/ml
14-06032-03	DUP	SN# 1037-1 Outside Trailer	03/28/14 12:32	6/10/2014	6/12/2014	14-06032	Gross Alpha	LANL MLR-100 Modified	2.60E-15	3.47E-16	4.49E-16	2.50E-16	2.50E-16	uCi/ml
14-06032-04	DO	SN# 1037-1 Outside Trailer	03/28/14 12:32	6/10/2014	6/12/2014	14-06032	Gross Alpha	LANL MLR-100 Modified	2.12E-15	3.10E-16	3.87E-16	2.25E-16	2.23E-16	uCi/ml
14-06032-05	TRG	SN# 90037-2 Transfer Station	03/28/14 12:49	6/10/2014	6/12/2014	14-06032	Gross Alpha	LANL MLR-100 Modified	7.31E-16	1.61E-16	1.80E-16	1.70E-16	1.70E-16	uCi/ml
14-06032-01	LCS	KNOWN	06/10/14 00:00	6/10/2014	6/12/2014	14-06032	Gross Beta	LANL MLR-100 Modified	3.04E-04	9.11E-06				uCi/ml
14-06032-01	LCS	SPIKE	06/10/14 00:00	6/10/2014	6/12/2014	14-06032	Gross Beta	LANL MLR-100 Modified	2.76E-04	3.12E-06	3.82E-05	6.52E-07	2.31E-06	uCi/ml
14-06032-02	MBL	BLANK	06/10/14 00:00	6/10/2014	6/12/2014	14-06032	Gross Beta	LANL MLR-100 Modified	-1.28E-16	1.72E-16	1.73E-16	3.84E-16	1.32E-15	uCi/ml
14-06032-03	DUP	SN# 1037-1 Outside Trailer	03/28/14 12:32	6/10/2014	6/12/2014	14-06032	Gross Beta	LANL MLR-100 Modified	1.35E-14	6.32E-16	1.97E-15	4.76E-16	1.62E-15	uCi/ml
14-06032-04	DO	SN# 1037-1 Outside Trailer	03/28/14 12:32	6/10/2014	6/12/2014	14-06032	Gross Beta	LANL MLR-100 Modified	1.24E-14	6.16E-16	1.82E-15	5.35E-16	1.89E-15	uCi/ml
14-06032-05	TRG	SN# 90037-2 Transfer Station	03/28/14 12:49	6/10/2014	6/12/2014	14-06032	Gross Beta	LANL MLR-100 Modified	4.54E-15	3.36E-16	7.12E-16	3.95E-16	1.45E-15	uCi/ml
14-06032-01	LCS	KNOWN	06/10/14 00:00	6/10/2014	6/17/2014	14-06032	Thorium-228	EML Th-01 Modified	4.88E-06	1.76E-07				uCi/ml
14-06032-01	LCS	SPIKE	06/10/14 00:00	6/10/2014	6/17/2014	14-06032	Thorium-228	EML Th-01 Modified	5.50E-06	1.29E-06	1.39E-06	1.85E-07	2.55E-08	uCi/ml
14-06032-02	MBL	BLANK	06/10/14 00:00	6/10/2014	6/17/2014	14-06032	Thorium-228	EML Th-01 Modified	-6.09E-18	3.68E-17	3.68E-17	1.16E-16	2.47E-17	uCi/ml
14-06032-03	DUP	SN# 1037-1 Outside Trailer	03/28/14 12:32	6/10/2014	6/17/2014	14-06032	Thorium-228	EML Th-01 Modified	2.61E-16	1.74E-16	1.75E-16	1.54E-16	2.25E-17	uCi/ml
14-06032-04	DO	SN# 1037-1 Outside Trailer	03/28/14 12:32	6/10/2014	6/17/2014	14-06032	Thorium-228	EML Th-01 Modified	1.19E-16	1.22E-16	1.23E-16	1.63E-16	2.95E-17	uCi/ml
14-06032-05	TRG	SN# 90037-2 Transfer Station	03/28/14 12:49	6/10/2014	6/17/2014	14-06032	Thorium-228	EML Th-01 Modified	3.37E-17	4.05E-17	4.07E-17	6.17E-17	1.48E-17	uCi/ml
14-06032-01	LCS	KNOWN	06/10/14 00:00	6/10/2014	6/17/2014	14-06032	Thorium-230	EML Th-01 Modified	5.47E-06	1.48E-07				uCi/ml
14-06032-01	LCS	SPIKE	06/10/14 00:00	6/10/2014	6/17/2014	14-06032	Thorium-230	EML Th-01 Modified	5.20E-06	1.23E-06	1.39E-06	2.07E-07	4.08E-08	uCi/ml
14-06032-02	MBL	BLANK	06/10/14 00:00	6/10/2014	6/17/2014	14-06032	Thorium-230	EML Th-01 Modified	8.30E-18	3.46E-17	3.46E-17	8.89E-17	1.24E-17	uCi/ml
14-06032-03	DUP	SN# 1037-1 Outside Trailer	03/28/14 12:32	6/10/2014	6/17/2014	14-06032	Thorium-230	EML Th-01 Modified	1.38E-16	1.27E-16	1.28E-16	1.56E-16	3.36E-17	uCi/ml
14-06032-04	DO	SN# 1037-1 Outside Trailer	03/28/14 12:32	6/10/2014	6/17/2014	14-06032	Thorium-230	EML Th-01 Modified	1.60E-16	1.31E-16	1.32E-16	1.44E-16	2.85E-17	uCi/ml
14-06032-05	TRG	SN# 90037-2 Transfer Station	03/28/14 12:49	6/10/2014	6/17/2014	14-06032	Thorium-230	EML Th-01 Modified	9.54E-17	5.56E-17	5.68E-17	3.60E-17	4.25E-18	uCi/ml
14-06032-01	LCS	KNOWN	06/10/14 00:00	6/10/2014	6/17/2014	14-06032	Thorium-232	EML Th-01 Modified	4.88E-06	1.76E-07				uCi/ml
14-06032-01	LCS	SPIKE	06/10/14 00:00	6/10/2014	6/17/2014	14-06032	Thorium-232	EML Th-01 Modified	4.71E-06	1.14E-06	1.21E-06	1.85E-07	1.96E-07	uCi/ml
14-06032-02	MBL	BLANK	06/10/14 00:00	6/10/2014	6/17/2014	14-06032	Thorium-232	EML Th-01 Modified	3.38E-17	5.78E-17	5.78E-17	1.01E-16	8.95E-17	uCi/ml
14-06032-03	DUP	SN# 1037-1 Outside Trailer	03/28/14 12:32	6/10/2014	6/17/2014	14-06032	Thorium-232	EML Th-01 Modified	-1.42E-18	8.71E-17	8.71E-17	2.11E-16	1.98E-16	uCi/ml
14-06032-04	DO	SN# 1037-1 Outside Trailer	03/28/14 12:32	6/10/2014	6/17/2014	14-06032	Thorium-232	EML Th-01 Modified	1.90E-16	1.39E-16	1.40E-16	1.29E-16	1.37E-16	uCi/ml
14-06032-05	TRG	SN# 90037-2 Transfer Station	03/28/14 12:49	6/10/2014	6/17/2014	14-06032	Thorium-232	EML Th-01 Modified	2.13E-17	2.59E-17	2.59E-17	3.14E-17	4.10E-17	uCi/ml

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (2-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original; CV=Critical Value



FROM: Cecilia Greene

TO: Mr. Dan Feezor, Feezor Engineering

CC: Mr. Paul Rosasco

DATE: 08/18/2014

RE: Transmittal of Validated Results for Eberline Work Order 14-06032

Eberline Services of Oak Ridge, TN has completed their analysis of the Phase 1 air samples in Eberline Work Order 14-06032. The validated results are summarized in Table 1.

The laboratory quality control samples were validated using MARLAP criteria. All laboratory control samples fell within acceptable control limits.

A complete verification of all of the laboratory calculations was performed. 100% of the calculated results were within $\pm 10\%$ of the laboratory results.

The full laboratory Level IV report of analysis will be retained at Auxier & Associates offices in Knoxville, TN where it is available for inspection upon request. Should you require additional information or further clarification, please contact me or Mr. Michael Bollenbacher at (865) 675-3669.

Sincerely,

Cecilia Greene, MPH, NRRPT
Auxier & Associates, Inc.
9821 Cogdill Road, Suite 1
Knoxville, TN 37932

cgreene@auxier.com
(865) 675-3669 office
(865) 675-3677 fax
(865) 621-3076 cell

Health Physics and Environmental Radiation Consulting
A USA Environment, L.P. Company

Sample ID	Gross Alpha ($\mu\text{Ci/ml}$)	Gross Beta ($\mu\text{Ci/ml}$)
Analytical Method	LANL MLR-100 Modified	LANL MLR-100 Modified
OUTSIDE TRAILER	$7.79\text{E-}16 \pm 1.90\text{E-}16 \{-\}$	$5.79\text{E-}15 \pm 8.79\text{E-}16 \{-\}$
TRANSFER STATION	$8.48\text{E-}16 \pm 2.02\text{E-}16 \{-\}$	$5.98\text{E-}15 \pm 9.28\text{E-}16 \{-\}$

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

Sample ID	Thorium-228 ($\mu\text{Ci/ml}$)	Thorium-230 ($\mu\text{Ci/ml}$)	Thorium-232 ($\mu\text{Ci/ml}$)
Analytical Method	EML Th-01 Modified	EML Th-01 Modified	EML Th-01 Modified
OUTSIDE TRAILER	$4.22\text{E-}16 \pm 1.83\text{E-}16 \{-\}$	$3.33\text{E-}16 \pm 1.64\text{E-}16 \{-\}$	$3.82\text{E-}16 \pm 1.79\text{E-}16 \{-\}$
TRANSFER STATION	$3.87\text{E-}16 \pm 1.85\text{E-}16 \{-\}$	$4.53\text{E-}16 \pm 2.02\text{E-}16 \{-\}$	$4.82\text{E-}16 \pm 2.07\text{E-}16 \{-\}$

U - Result is less than the Critical Value

Q – Measurement Combined Standard Uncertainty > Required Method Uncertainty

J – Minimum Detectable Concentration > Required Detection Limit, or could not recalculate result

APPENDIX G

FREE RELEASE SURVEY INFORMATION

Sub-Appendices

G.1 – Free Release Surveys

G.2 – Free Release Survey Data

Sub-Appendix G.1

Free Release Surveys



LARGE EQUIPMENT SURVEY FORM - Entry Survey

Project Name: FEE/BRI

Location: Bridgeton, MO

Date: 10/30/2013 / counted 11/13/13

Surveyor/Recorder: C. Fomarev

Equipment Description: Skidsteer

METER:	MODEL	Alpha	Beta	Smear Counter
	S/N	12	12	2929
		121368	117166	160017.2 ^{mAs}
PROBE:	MODEL	43-5	44-9	43-10-1
	S/N	120740	91326	164047
	UNITS	cpm	cpm	cpm
	CAL DATE	8/28/2014	7/31/2014	4/9/2014 ^{EF}

PRE DECON

POST DECON

Eff. 0.12

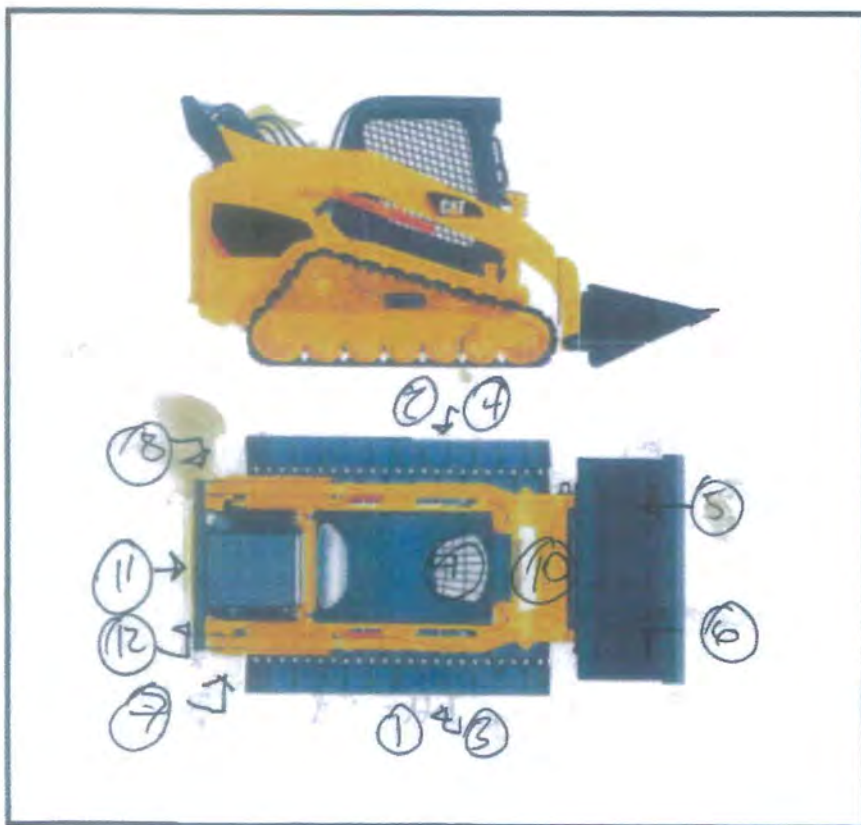
BG = 3 & 338

α 0.25 β 0.26 E
α 0.27 β 53.16 E

SURVEY/SMEAR INFORMATION					
LOCATION ON EQUIP	INSTRUMENT READINGS		SMEAR TAKEN?	SMEAR COUNT (cpm)	
	Alpha	Beta		Alpha	Beta
1	3	36	yes	0	40
2	3	35		2	54
3	3	35		0	54
4	1	39		0	53
5	3	29		1	53
6	3	33		0	59
7	4	45		0	45
8	2	28		0	62
9	2	40		1	56
10	1	26		0	59
11	2	25		0	54
12	1	44	↓	1	32

Reviewed By/Date:

M. Joseph 12/11/13





LARGE EQUIPMENT SURVEY FORM

Project Name: FEE/BRI

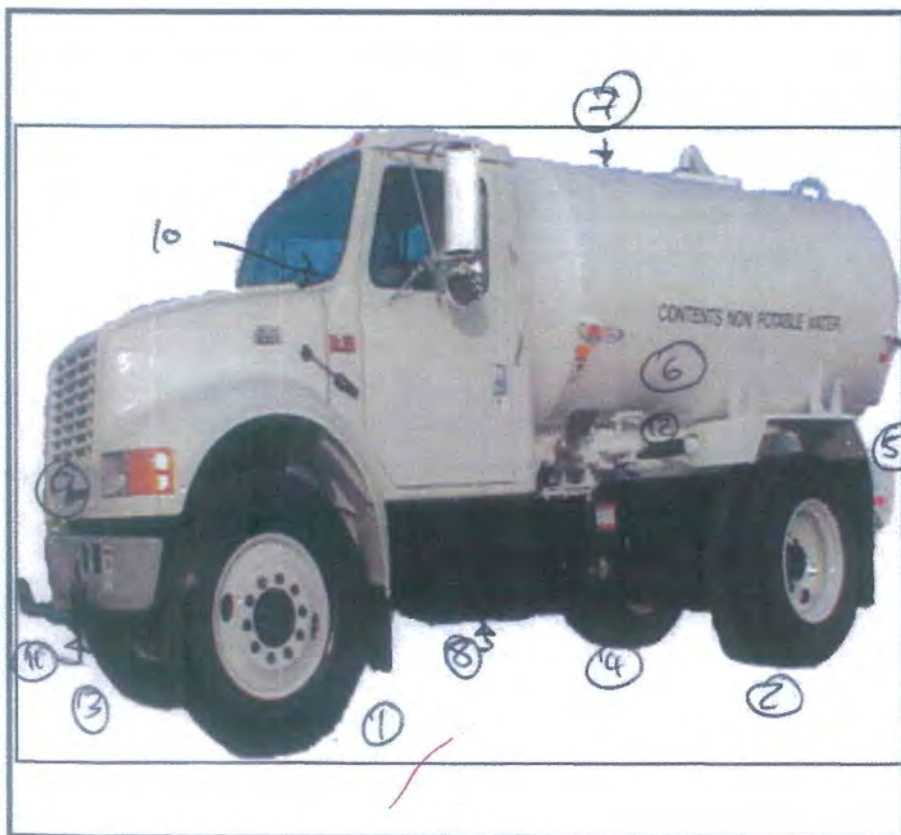
Location: Bridgeton, MO

Date: 10/30/13 / counted 11/13/13

Surveyor/Recorder: C. Fenarev / R

Equipment Description: Water Truck

		Alpha	Beta	Smear Counter
METER:	MODEL	12	12	2929
	S/N	121368	117166	1600172 mds
PROBE:	MODEL	43-5	44-9	43-10-1
	S/N	120740	91326	164047
	UNITS	cpm	cpm	cpm
	CAL DATE	8/28/2014	7/31/2014	4/9/2014
	BKG	30	3362	00.27, B 53.16
		2 EFF. 0.12/	W 0.35 0.26 EFF	
ENTRY SURVEY		EXIT SURVEY		



SURVEY/SMEAR INFORMATION					
LOCATION ON EQUIP	INSTRUMENT READINGS		SMEAR TAKEN?	SMEAR COUNT (cpm)	
	Alpha	Beta		Alpha	Beta
1	2	30	✓	0	54
2	6	24		0	160
3	0	51		1	51
4	1	34		0	55
5	2	32		0	57
6	2	27		0	62
7	0	32		0	60
8	0	42		0	47
9	0	30		0	67
10	0	38		1	48
11	1	40		0	52
12	0	28		0	54

Reviewed By/Date: M Joseph 12/11/13



LARGE EQUIPMENT SURVEY FORM

Project Name: FEE/BRI

Location: Bridgeton, MO

Date: 11-12-13

Surveyor/Recorder: A. Luna

Equipment Description: 1 METER ROD (DRIVING)

Equipment Description: N/A

METER:	MODEL	Alpha	Beta	Smear Counter
	S/N	12	12	2929
		121368	117166	160017
PROBE:	MODEL	43-5	44-9	43-10-1
	S/N	120740	91326	164047
	UNITS	cpm	cpm	cpm
	CAL DATE	8/28/2014	7/31/2014	4/9/2014
	BKG	0	28	

ENTRY SURVEY

EXIT SURVEY

α eff 0.12

α 0.31 β 52.70 Bkg
α 0.35 β 0.21 cff

SURVEY/SMEAR INFORMATION					
LOCATION ON EQUIP	INSTRUMENT READINGS		SMEAR TAKEN?	SMEAR COUNT (cpm)	
1 Rod	Alpha 0	Beta 27	YES	Alpha 0	Beta 44
2	0	29	↓	0	44-57
3	1	31	↓	0	61
4	1	36	↓	1	57
5	0	28	↓	1	63
6	2	34	↓	1	43
7	1	29	↓	1	59

Reviewed By/Date: M. Jasper 12/11/13



LARGE EQUIPMENT SURVEY FORM

Project Name: FEE/BRI

Location: Bridgeton, MO

Date: 11-12-13

Surveyor/Recorder: A. Lunk

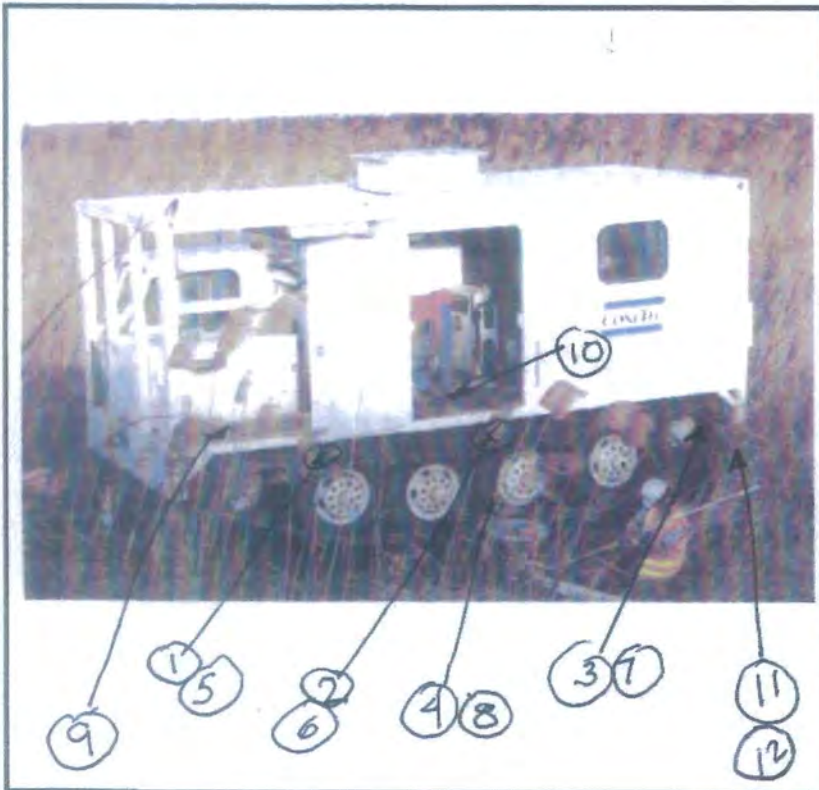
Equipment Description: TC1

Equipment Description: N/A

METER:	MODEL	Alpha	Beta	Smear Counter
	S/N	12	12	2929
		121368	117166	160017
PROBE:	MODEL	43-5	44-9	43-10-1
	S/N	120740	91326	164047
	UNITS	cpm	cpm	cpm
	CAL DATE	8/28/2014	7/31/2014	4/9/2014
	BKG	0.1	28	

ENTRY SURVEY

EXIT SURVEY



SURVEY/SMEAR INFORMATION					
LOCATION ON EQUIP	INSTRUMENT READINGS		SMEAR TAKEN?	SMEAR COUNT (cpm)	
	Alpha	Beta		Alpha	Beta
1	4	31	YES	0	54
2	1	26		2	49
3	5	34		0	65
4	4	37		0	61
5	3	38		0	58
6	1	37		0	57
7	0	34		0	65
8	1	39		0	45
9	2	36		0	56
10	1	36		0	46
11	1	32		0	49
12	1	33		0	44

5, 6, 7, 8 ARE SAME LOCATION BUT ON THE OTHER SIDE

Reviewed By/Date: M. Joseph 12/11/13



EQUIPMENT SURVEY

ENTRY / EXIT (CIRCLE ONE)

Project: *Felco*

Location: *Westlake*

Date(s): *11/15/13*

Surveyor(s)/Recorder: *CF*

Smears Counted By:

Equipment Surveyed: *Cone Tec Pickup Truck*

INSTRUMENT 1			
METER:	MODEL	<i>M12</i>	<i>M12</i>
	S/N	<i>121368</i>	<i>117116</i>
PROBE:	MODEL	<i>435</i>	<i>44-9</i>
	S/N	<i>120740</i>	<i>9801326</i>
Cal Due:	BKG (1) Min CPM	<i>0</i>	<i>38</i>
	Efficiency (Eff), in D/C		
	ACF		
	MDA (DPM)		

$$MDA = 3 + 4.65 \times \text{SQRT}(\text{PKG})$$

$$(1 \text{ lb}) \times (\text{ACF})$$

$$\alpha \text{ eff } 0.12$$

INSTRUMENT 2			
METER:	MODEL & MODE	2929, alpha (α)	2929, beta (β)
	S/N	<i>160012</i>	<i>PR CF 160013</i>
PROBE:	MODEL	<i>43-10-1</i>	<i>43-10-1</i>
	S/N	<i>CF 43-10-1 12164047</i>	<i>PR 164047</i>
Cal Due: 04/25/14	1 HR AVG BKG (CPM)		
	Efficiency (Eff), in D/C	<i>0.35</i>	<i>0.26</i>
	ACF		
	MDA (DPM)		

$$MDA(\text{mode}) = 3 + 3.29 \times \text{SQRT}(\text{PKG}) + \text{Ts} (1 + \text{Ts} \text{ lb})$$

$$(1 \text{ lb}) \times (\text{ACF}) \times (1 \text{ lb})$$

$$2030.6 \text{ } 49.45 \text{ } \beta$$

LOCATION	DIRECT READING INSTRUMENT 1		SMEAR RESULTS, 1 MINUTE COUNT INSTRUMENT 2			
	α	β	CPM - α 100 cm ²	DPM - α 100 cm ²	CPM - β 100 cm ²	DPM - β 100 cm ²
1.) LF Tire	3	44	0		36	
2.) LR Tire	0	35	1		46	
3.) RF Tire	1	36	1		52	
4.) RR Tire	1	40	0		62	
5.) Gas Pedal	0	36	0		54	
6.) Console	1	36	0		47	
7.) Front	1	42	0		50	
8.) Rear	0	40	0		68	
9.)						
10.)						
11.)						
12.)						

Note: Values less than the MDA are reported in the format: <MDA (actual value). The MDA for each instrument and mode is reported in the instrument descriptions at the top of the page.

Review By/Date:

M Joseph
10/11/13



LARGE EQUIPMENT SURVEY FORM

Project Name: FEE/BRI

Location: Bridgeton, MO

Date: 11/15/13 / R

Surveyor/Recorder: CF

Equipment Description: Dump Truck

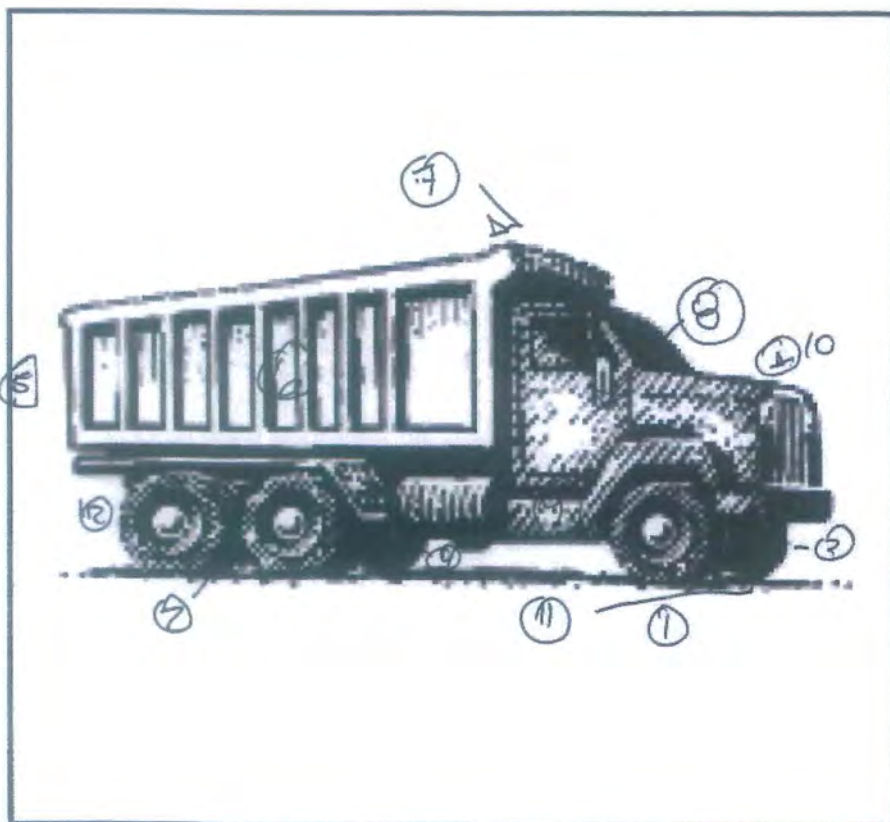
METER:	MODEL	Alpha	Beta	Smear Counter
	S/N	12	12	2929
		121368	117166	160017
PROBE:	MODEL	43-5	44-9	43-10-1
	S/N	120740	91326	164047
	UNITS	cpm	cpm	cpm
	CAL DATE	8/28/2014	7/31/2014	4/9/2014
	BKG	0	62	α 0.35 β 49.45

α Effie 0.12

α 0.35 β 0.26 Eff

ENTRY SURVEY

EXIT SURVEY



SURVEY/SMEAR INFORMATION					
LOCATION ON EQUIP	INSTRUMENT READINGS		SMEAR TAKEN?	SMEAR COUNT (cpm)	
	Alpha	Beta	yes	Alpha	Beta
1	3	32		0	46
2	2	39		0	53
3	1	30		0	58
4	2	33		1	58
5	0	36		0	63
6	1	28		0	71
7	3	27		0	45
8	1	34		0	54
9	1	31		0	67
10	2	36		0	55
11	2	28		0	49
12	3	34	↓	0	58

Reviewed By/Date:

M Joseph 12/11/13



LARGE EQUIPMENT SURVEY FORM

Model : 2000
 S/N : 245758
 Model : 4393
 S/N : PR263619
 Cal Due: 10-16-14

Exit Survey

Project Name: FEE/BRI

Location: Bridgeton, MO

Date: 11-19-2013

Surveyor/Recorder: Math Walton

Equipment Description: Skidster

METER:	MODEL	Alpha	Beta	Smear Counter
	S/N	12	12	2929
		121368	117166	160017
PROBE:	MODEL	43-5	44-9	43-10-1
	S/N	120740	91326	164047
	UNITS	cpm	cpm	cpm
	CAL DATE	8/28/2014	7/31/2014	4/9/2014

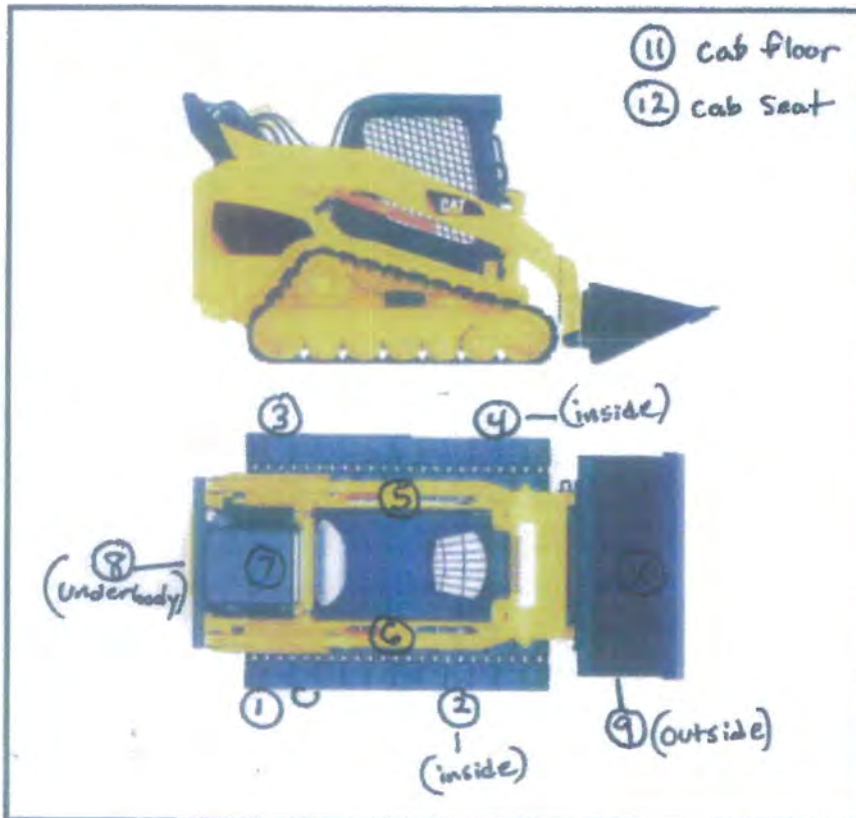
PRE DECON

POST DECON

Eff. 0.13
 " 0.13

Instrument BKG = $\frac{1}{138}$

BKG =
 20.25 β 53.8 Bkg
 20.25 β 0.26 Gff
 35



SURVEY/SMEAR INFORMATION					
LOCATION ON EQUIP	INSTRUMENT READINGS		SMEAR TAKEN?	SMEAR COUNT (cpm)	
	Alpha	Beta		Alpha	Beta
1	R. Track 3	143	Y	2	56
2	R. Track ⁱⁿ 2	137	Y	1	62
3	L. Track 1	169	Y	1	59
4	L. Track ⁱⁿ 2	148	Y	1	49
5	L. Side 1	144	Y	0	50
6	R. Side 1	152	Y	0	59
7	Rear Top 3	139	Y	0	54
8	Rear under 2	150	Y	0	73
9	Bucket out 3	161	Y	0	54
10	Bucket in 2	157	Y	0	42
11	Cab floor 2	160	Y	1	62
12	Cab seat 2	146	Y	0	47

Reviewed By/Date:

M Joseph 12/11/13



LARGE EQUIPMENT SURVEY FORM

Model: 2360
S/N: 245758
Model: 48-93
S/N: PR263618
Cal Due: 10-16-14
BKG: 0/151

Project Name: FEE/BRI

Location: Bridgeton, MO

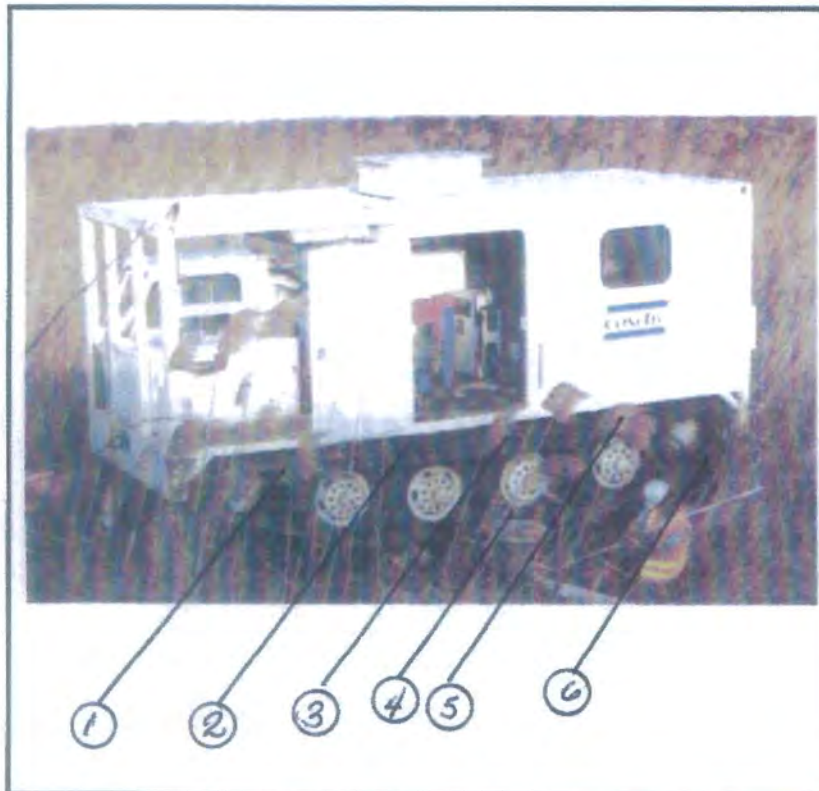
Date: 11-24-2013

Surveyor/Recorder: A. Luna

Equipment Description: TC1

Equipment Description: CONTEC Rig

METER:	MODEL	Alpha	Beta	Smear Counter
	S/N	12	12	2929
		121368	117186	160017
PROBE:	MODEL	43-5	44-9	43-10-1
	S/N	120740	91326	164047
	UNITS	cpm	cpm	cpm
	CAL DATE	8/28/2014	7/31/2014	4/9/2014
	BKG	0.18	0.13	0.25 / 57.95
		.19 maj		0.26 / 0.26 Eff
ENTRY SURVEY		EXIT SURVEY		



SURVEY/SMEAR INFORMATION					
LOCATION ON EQUIP	INSTRUMENT READINGS		SMEAR TAKEN?	SMEAR COUNT (cpm)	
	Alpha	Beta	YES	Alpha	Beta
1	1	154		1	65
2	1	144		0	47
3	2	184		0	50
4	1	120		0	66
5	1	161		0	42
6	4	182		0	55
7	1	162		0	54
8	1	158		0	69
9	4	129		1	57
10	2	166		0	54
11	0	172		0	60
12	2	169		0	49

COMMENT: # 7-12 SMEARS ARE ALL TAKEN SAME AREA OF THE RIGHT TRACKS

Reviewed By/Date: M. Joseph 12/11/13



EQUIPMENT SURVEY FIELD LOG

ENTRY EXIT (CIRCLE ONE)

Project: BRIDGETON L

Location: BRIDGETON, M

Date(s): 12-3-13

Surveyor(s)/Recorder: A. LUNA

Equipment Surveyed: CONETEC DRILL RIG

TC 1

INSERT PICTURE

INSTRUMENT 1			INSTRUMENT 2		
METER:	MODEL	2360	METER:	MODEL	2929
	S/N	245758		S/N	160012
PROBE:	MODEL	43-93	PROBE:	MODEL	43-10-1
	S/N	PR263618		S/N	164047
BKG (1) Min CPM		0/172	Mode	ALPHA	BETA-GAMMA
EFF:		18.98/13.09	BKG (60) Min CPM	.23	57.2
		88	EFF	35.22	26.33

LOCATION	DIRECT READING INSTRUMENT 1		SMEAR RESULTS INSTRUMENT 2		
	ALPHA/ CPM	BETA-GAMMA CPM	CPM - g 100 cm ²		CPM - B 100 cm ²
1 LEFT TRACKS (TOP)	1	176	2		67
2	2	152	1		50
3	0	134	0		52
4	1	138	0		40
5	1	143	1		46
6 LEFT TRACKS (BOTTOM)	2	153	0		58
7	5	143	0		49
8	2	140	1		39
9	1	177	0		59
10	2	130	0		67
11 LEFT TIRES	3	165	1		48
12 " "	2	136	0		65

Note: Values less than the MDA are reported in the format: <MDA (actual value). The MDA for each instrument and mode is reported in the instrument descriptions at the top of the page.

Review By/Date: M. Joseph 12/11/13



EQUIPMENT SURVEY FIELD LOG

ENTRY EXIT (CIRCLE ONE)

Project: BRIDGETON L

Location: BRIDGETON, M

Date(s): 12-3-13

INSTRUMENT 1			INSTRUMENT 2			
METER:	MODEL	2360	METER:	MODEL	2929	2929
	S/N	245758		S/N	160012	160012
PROBE:	MODEL	43-93	PROBE:	MODEL	43-10-1	43-10-1
	S/N	PR263618		S/N	164047	164047
	BKG (1) Min CPM	0 / 172		Mode	ALPHA	BETA-GAMMA
	EFF:	18.98 / 13.09		BKG (1) Min CPM	.23	57.2
				EFF	35.22	28.33

Surveyor(s)/Recorder:

Equipment Surveyed:

TCI

INSERT PICTURE

LOCATION	DIRECT READING INSTRUMENT 1		SMEAR RESULTS INSTRUMENT 2			
	ALPHA CPM	BETA-GAMMA CPM	CPM - a 100 cm ²		CPM - b 100 cm ²	
13 LEFT TIRES	3	97	0		43	
14 " "	0	97	0		80	
15 RIGHT TRACKS (TOP)	4	161	0		43	
16	2	156	1		37	
17	1	144	1		51	
18	1	136	0		47	
19	4	135	0		56	
20 RIGHT TRACKS (BOTTOM)	2	139	1		54	
21	3	163	2		60	
22	1	159	1		42	
23	2	142	1		53	
24	2	148	0		68	

Note: Values less than the MDA are reported in the format: <MDA (actual value). The MDA for each instrument and mode is reported in the instrument descriptions at the top of the page.

Review By/Date: M Joseph 12/11/13



EQUIPMENT SURVEY FIELD LOG

ENTRY / EXIT (CIRCLE ONE)

Project: BRIDGETON L

Location: BRIDGETON, M

Date(s): 12-3-13

INSTRUMENT 1			INSTRUMENT 2		
METER:	MODEL	2360	METER:	MODEL	2929
	S/N	245758		S/N	160012
PROBE:	MODEL	43-93	PROBE:	MODEL	43-10-1
	S/N	PR263618		S/N	164047
BKG (1) Min CPM		0 / 172	Mode		ALPHA
EFF;		18.98 /	BKG (1) Min CPM		0.23
			EFF		35.22
					26.33

Surveyor(s)/Recorder:

Equipment Surveyed:

#TC1

INSERT PICTURE

LOCATION	DIRECT READING INSTRUMENT 1		SMEAR RESULTS INSTRUMENT 2			
	ALPHA CPM	BETA-GAMMA CPM	CPM - a 100 cm ²		CPM - B 100 cm ²	
25 RIGHT TRACKS (BOTTOM)	1	118	0		55	
26 RIGHT TIRES	1	99	0		60	
27	3	96	1		50	
28	4	119	0		63	
29	4	134	1		57	
30 RAM SET	1	151	0		56	
31	1	161	0		50	
32	1	144	0		62	
33	0	158	1		58	
34	2	124	0		40	
35 CAB FLOORING	0	165	0		56	
36 (BACK)	2	165	1		55	

Note: Values less than the MDA are reported in the format: <MDA (actual value). The MDA for each instrument and mode is reported in the instrument descriptions at the top of the page.

Review By/Date: M Joseph 12/11/13



EQUIPMENT SURVEY FIELD LOG

ENTRY / EXIT (CIRCLE ONE)

Project: BRIDGETON L

Location: BRIDGETON, M

Date(s): 12-3-13

Surveyor(s)/Recorder:

Equipment Surveyed:

#TC1

INSERT PICTURE

INSTRUMENT 1			INSTRUMENT 2		
METER:	MODEL	2360	METER:	MODEL	2929
	S/N	245758		S/N	160012
PROBE:	MODEL	43-93	PROBE:	MODEL	43-10-1
	S/N	PR263618		S/N	164047
BKG (1) Min CPM		0.172	Mode		ALPHA
EFF;		α 0.19 β 0.13	BKG (60) Min CPM		BETA-GAMMA
			EFF		36.22
					26.33

LOCATION	DIRECT READING INSTRUMENT 1		SMEAR RESULTS INSTRUMENT 2		
	CPM		CPM - α 100 cm ²		CPM - β 100 cm ²
37 CAB FLOORING (BACK)	2	191	1		70
38	1	206	0		60
39	2	182	0		68
40 FRONT PLATFORM	0	147	0		66
41 BACK TABLE	2	124	1		53
42 SIDE TABLE	0	118	1		68
43 CAB FLOORING (DRIVER)	1	168	0		56
44 GAS PEDAL	1	144	0		58
45 LEFT SIDE OF BODY	2	121	1		55
46 RIGHT SIDE OF BODY	0	109	0		49
47 OUTRIGGER FRONT RIGHT	2	175	0		53
48 " FRONT LEFT	1	178	0		60

Note: Values less than the MDA are reported in the format: <MDA (actual value). The MDA for each instrument and mode is reported in the instrument descriptions at the top of the page.

Review By/Date: M. Joseph 12/11/13



EQUIPMENT SURVEY FIELD LOG

ENTRY EXIT (CIRCLE ONE)

Project: BRIDGETON L

Location: BRIDGETON, M

Date(s): 12-3-3

INSTRUMENT 1			INSTRUMENT 2		
METER:	MODEL	2380	METER:	MODEL	2929
	S/N	245758		S/N	160012
PROBE:	MODEL	43-93	PROBE:	MODEL	43-10-1
	S/N	PR263618		S/N	164047
	BKG (1) Min CPM	0.172		Mode	ALPHA BETA-GAMMA
	EFF;	0.19 0.13		BKG (90) Min CPM	0.23 57.2
				EFF	35.22 26.33

Surveyor(s)/Recorder:

Equipment Surveyed:

TC 1

INSERT PICTURE

LOCATION	DIRECT READING INSTRUMENT 1		SMEAR RESULTS INSTRUMENT 2			
	CPM		CPM - α 100 cm ²		CPM - β 100 cm ²	
49 OUTRIGGER REAR RIGHT	4	137	1		53	
50 " REAR LEFT	3	132	1		69	
51 STAIRS	1	160	1		51	
52 STAIRS	3	197	0		60	
53 DRIVING RODS	0	135	0		57	
54 SET OF 3 } #1	0	144	0		55	
55	0	165	1		56	
56	2	142	1		51	
57	1	151	1		53	
58	0	132	0		49	
59	3	174	1		59	
60	1	136	0		48	

Note: Values less than the MDA are reported in the format: <MDA (actual value). The MDA for each instrument and mode is reported in the instrument descriptions at the top of the page.

Review By/Date: M Joseph 12/11/13



EQUIPMENT SURVEY FIELD LOG

ENTRY / EXIT (CIRCLE ONE)

Project: BRIDGETON L

Location: BRIDGETON, M

Date(s): 12-3-3

Surveyor(s)/Recorder:

Equipment Surveyed:

TC1

INSERT PICTURE

INSTRUMENT 1			INSTRUMENT 2		
METER:	MODEL	2380	METER:	MODEL	2929
	S/N	245758		S/N	160012
PROBE:	MODEL	43-93	PROBE:	MODEL	43-10-1
	S/N	PR263618		S/N	164047
	BKG (1) Min CPM	0.172		Mode	ALPHA
	EFF;	0.19		BKG (60) Min CPM	0.23
		0.13		EFF	35.22
					26.33

LOCATION		DIRECT READING INSTRUMENT 1		SMEAR RESULTS INSTRUMENT 2	
		CPM		CPM - g 100 cm ²	CPM - B 100 cm ²
61 DRILLING ROD # 3		3	141	0	48
62 SET OF 3		0	147	0	62
63	# 4	2	144	0	58
64		2	168	0	68
65		1	144	0	44
66	# 5	0	173	0	48
67		0	162	0	43
68		2	140	0	63
69	# 6	2	164	1	59
70		2	142	0	49
71		2	144	0	52
72	# 7	1	151	2	61

Note: Values less than the MDA are reported in the format: <MDA (actual value). The MDA for each instrument and mode is reported in the instrument descriptions at the top of the page.

Review By/Date: M Joseph 12/11/13



EQUIPMENT SURVEY FIELD LOG

ENTRY / EXIT (CIRCLE ONE)

Project: BRIDGETON L

Location: BRIDGETON, N

Date(s): 12-3-3

Surveyor(s)/Recorder:

Equipment Surveyed:

TC1

INSERT PICTURE

INSTRUMENT 1			INSTRUMENT 2		
METER:	MODEL	2360	METER:	MODEL	2929
	S/N	245758		S/N	160012
PROBE:	MODEL	43-93	PROBE:	MODEL	43-10-1
	S/N	PR263618		S/N	164047
	BKG (1) Min CPM	0.172		Mode	ALPHA
	EFF;	α 0.19 β 0.13		BKG (50) Min CPM	0.23
				EFF	35.22
					26.33

LOCATION	DIRECT READING INSTRUMENT 1		SMEAR RESULTS INSTRUMENT 2			
	CPM		CPM - a 100 cm ²		CPM - B 100 cm ²	
73 DRILLING ROD # 7	1	163	0		43	
74 SET OF 3	2	170	0		48	
75 } #8	0	170	0		36	
76 } #8	2	135	1		55	
77 } #8	1	141	0		55	
78 } #9	0	144	0		52	
79 } #9	0	160	0		42	
80 } #9	0	140	0		61	
81 } #10	0	157	0		65	
82 } #10	1	167	0		60	
83 } #11	1	174	0		47	
84 } #11	3	153	1		45	

Note: Values less than the MDA are reported in the format: <MDA (actual value). The MDA for each instrument and mode is reported in the instrument descriptions at the top of the page.

Review By/Date: M. Joseph 12/11/13



EQUIPMENT SURVEY FIELD LOG

ENTRY / EXIT (CIRCLE ONE)

Project: BRIDGETON L

Location: BRIDGETON, M

Date(s): 12-3-3

Surveyor(s)/Recorder:

Equipment Surveyed:

TC 1

INSERT PICTURE

INSTRUMENT 1			INSTRUMENT 2		
METER:	MODEL	2360	METER:	MODEL	2929
	S/N	245758		S/N	160012
PROBE:	MODEL	43-93	PROBE:	MODEL	43-10-1
	S/N	PR263618		S/N	164047
BKG (1) Min CPM		0.172	Mode		ALPHA
EFF;		α 0.19 β 0.13	BKG (60) Min CPM		0.23
			EFF		35.22
					26.33

		DIRECT READING INSTRUMENT 1		SMEAR RESULTS INSTRUMENT 2	
LOCATION		CPM		CPM - α 100 cm ²	CPM - β 100 cm ²
85	DRILLING ROD # 11	1	184	0	52
86	SET OF 3	0	182	2	57
87	# 12	1	137	0	46
88		2	143	0	47
89	CONE	2	175	1	62
90	CONE	2	192	0	53
91	DRILLING ROD	3	152	0	64
92	SET OF 3	1	148	1	60
93	# 13	0	136	0	64
94		0	146	0	65
95	# 14	2	157	0	58
96		1	155	0	46

Note: Values less than the MDA are reported in the format: <MDA (actual value). The MDA for each instrument and mode is reported in the instrument descriptions at the top of the page.

Review By/Date: M Joseph 12/11/13



EQUIPMENT SURVEY FIELD LOG

ENTRY EXIT (CIRCLE ONE)

Project: BRIDGETON L

Location: BRIDGETON, M

Date(s): 12-3-3

Surveyor(s)/Recorder:

Equipment Surveyed:

TC1

INSERT PICTURE

INSTRUMENT 1			INSTRUMENT 2			
METER:	MODEL	2360	METER:	MODEL	2929	2929
	S/N	245758		S/N	160012	160012
PROBE:	MODEL	43-93	PROBE:	MODEL	43-10-1	43-10-1
	S/N	PR263618		S/N	164047	164047
	BKG (1) Min CPM	0.172		Mode	ALPHA	BETA-GAMMA
	EFF;	2 0.19 8 0.13		BKG (60) Min CPM	0.23	57.2
				EFF	35.22	28.33

		DIRECT READING INSTRUMENT 1		SMEAR RESULTS INSTRUMENT 2			
		CPM		CPM - α 100 cm ²		CPM - β 100 cm ²	
97	DRILLING ROD	5	178	0		55	
98	SET OF 3	2	160	0		52	
99		1	204	0		79	
100	MATS	4	200	0		54	
101	MATS	3	182	0		46	
102	N/A						
103							
104							
105							
106							
107							
108							

Note: Values less than the MDA are reported in the format: <MDA (actual value). The MDA for each instrument and mode is reported in the instrument descriptions at the top of the page.

Review By/Date: M Joseph 12/11/13



EQUIPMENT SURVEY FIELD LOG

ENTRY / EXIT (CIRCLE ONE)

Project: BRIDGETON L

Location: BRIDGETON, M

Date(s): 01/13/14

Surveyor(s)/Recorder: M. Walton / A. Luna

Equipment Surveyed: Front 2 Flat bed

INSTRUMENT 1			INSTRUMENT 2		
METER:	MODEL	2360	METER:	MODEL	2929
	S/N	245758		S/N	160012
PROBE:	MODEL	43-93	PROBE:	MODEL	43-10-1
	S/N	PR263618		S/N	164047
	BKG (1) Min CPM	1/130		Mode	ALPHA
EFF:		0.19		BKG (60) Min CPM	0.22/1 min
		0.13		EFF	35.22
					28.33
					55.75

INSERT PICTURE

DIRECT READING INSTRUMENT 1		SMEAR RESULTS INSTRUMENT 2	
LOCATION	CPM	CPM - α 100 cm ²	CPM - β 100 cm ²
1 Front (L) Tire	4/100	1	56
2 Rear Underbody	3/111	0	58
3 Rear (R) Tire	9/189	0	55
4 Cab floor	0/173	0	57
5 Gas Pedals	1/148	1	49
30			
31			
32			
33			
34			
35			
36			

Note: Values less than the MDA are reported in the format: <MDA (actual value). The MDA for each instrument and mode is reported in the instrument descriptions at the top of the page.

Review By/Date: AG Joseph 2/26/14



EQUIPMENT SURVEY FIELD LOG

ENTRY / EXIT (CIRCLE ONE)

Project: BRIDGETON L

Location: BRIDGETON, M

Date(s): 01/13/14

Surveyor(s)/Recorder: M. Walton

INSTRUMENT 1			INSTRUMENT 2		
METER:	MODEL	2360	METER:	MODEL	2929
	S/N	245758		S/N	160012
PROBE:	MODEL	43-93	PROBE:	MODEL	43-10-1
	S/N	PR263618		S/N	164047
	BKG (1) Min CPM	1/170		Mode	ALPHA
	EFF:	0.19		BKG (50) Min CPM	0.22 / 1 min
		0.13		EFF	35.22
					26.33

Equipment Surveyed: Front Z Drill Rig

INSERT PICTURE

LOCATION	DIRECT READING INSTRUMENT 1		SMEAR RESULTS INSTRUMENT 2	
	α CPM	β	CPM - α 100 cm ²	CPM - β 100 cm ²
1 Front (L) Tire	6	208	1	44
2 Rear (R) Tire	4	160	0	51
3 Middle (L) Tire	3	173	1	59
4 Front outrigger	3	168	0	42
5 Rear outrigger	7	142	0	66
6 Driller Platform	2	145	0	57
7 cab floor	3	117	0	58
8 Gas Pedal	1	167	1	60
9 Gas Tank	2	144	0	49
10 Bed floor	4	127	0	51
11 (L) underbody	9	188	0	101
12 (R) underbody	2	164	0	57

Note: Values less than the MDA are reported in the format: <MDA (actual value). The MDA for each instrument and mode is reported in the instrument descriptions at the top of the page.

Review By/Date: NG Joseph 2/26/14



EQUIPMENT SURVEY FIELD LOG

ENTRY / EXIT (CIRCLE ONE)

Project: BRIDGETON L

Location: BRIDGETON, M

Date(s): 01/13/14

Surveyor(s)/Recorder: Matt Walton / A. Luna

Equipment Surveyed: Drill Rods

INSTRUMENT 1			INSTRUMENT 2		
METER:	MODEL	2360	METER:	MODEL	2929
	S/N	245758		S/N	160012
PROBE:	MODEL	43-93	PROBE:	MODEL	43-10-1
	S/N	PR263618		S/N	164047
	BKG (1) Min CPM	1/154		Mode	ALPHA
	EFF:	0.19		BKG (60) Min CPM	0.22 / 1 min
		0.13		EFF	35.22
					26.33

INSERT PICTURE

LOCATION	DIRECT READING INSTRUMENT 1		SMEAR RESULTS INSTRUMENT 2	
	CPM		CPM - a 100 cm ²	CPM - B 100 cm ²
1 8"	4/108		0	47
2 8"	2/102		0	66
3 4"	2/97		0	57
4 4"	4/99		0	53
5 10"	1/94		0	55
18				
19				
20				
21		N/A		
22				
23				
24				

Note: Values less than the MDA are reported in the format: <MDA (actual value). The MDA for each instrument and mode is reported in the instrument descriptions at the top of the page.

Review By/Date: M Joseph 2/26/14



EQUIPMENT SURVEY FIELD LOG

ENTRY EXIT (CIRCLE ONE)

Project: BRIDGETON L

Location: BRIDGETON, M

Date(s): 01/14/2014

Surveyor(s)/Recorder: M. Walton

Equipment Surveyed: CONEX BOX

INSTRUMENT 1			INSTRUMENT 2		
METER:	MODEL	2360	METER:	MODEL	2929
	S/N	245758		S/N	160012
PROBE:	MODEL	43-93	PROBE:	MODEL	43-10-1
	S/N	PR263618		S/N	164047
BKG (1) Min CPM		1/142	Mode	ALPHA	BETA-GAMMA
EFF:		0.19	BKG (60) Min CPM	0.25/min	54.33
		0.13	EFF	35.22	26.33

INSERT PICTURE

LOCATION	DIRECT READING INSTRUMENT 1		SMEAR RESULTS INSTRUMENT 2		
	CPM		CPM - a 100 cm ²		CPM - B 100 cm ²
1 Front (Doors)	3/118		0		63
2 (L) Side	4/178		0		55
3 Back	4/155		0		54
4 Back under	1/162		0		62
5 (R) Side	4/151		1		52
6					
7					
8					
9					
10					
11					
12					

Note: Values less than the MDA are reported in the format: <MDA (actual value). The MDA for each instrument and mode is reported in the instrument descriptions at the top of the page.

Review By/Date: M. Joseph 2/26/14



EQUIPMENT SURVEY FIELD LOG

ENTRY / EXIT (CIRCLE ONE)

		INSTRUMENT 1		INSTRUMENT 2	
Project:	BRIDGETON L	METER:	MODEL 2360	METER:	MODEL 2929
			S/N 245758		S/N 160012
Location:	BRIDGETON, M	PROBE:	MODEL 43-93	PROBE:	MODEL 43-10-1
			S/N PR263618		S/N 164047
Date(s):	01/14/2014	BKG (1) Min CPM	0/188	Mode	ALPHA BETA-GAMMA
		EFF;	2 0.19	BKG (60) Min CPM	0.25/1 min 54.33
			13 MB	EFF	35.22 26.33

Surveyor(s)/Recorder: M. Walton

Equipment Surveyed: Skidsteer

INSERT PICTURE

LOCATION	CPM	DIRECT READING INSTRUMENT 1		SMEAR RESULTS INSTRUMENT 2	
			CPM - α 100 cm ²		CPM - β 100 cm ²
1 L Track	1/177		0		49
2 R Track	2/172		1		53
3 Rear Underbody	3/139		0		61
4 Bucket	1/164		0		50
5 Controls cab	2/208		1		67
6					
7					
8					
9					
10					
11					
12					

Note: Values less than the MDA are reported in the format: <MDA (actual value). The MDA for each instrument and mode is reported in the instrument descriptions at the top of the page.

Review By/Date: M. Joseph 2/26/14



EQUIPMENT SURVEY FIELD LOG

ENTRY / EXIT (CIRCLE ONE)

Project: BRIDGETON L

Location: BRIDGETON, M

Date(s): 01/14/2014

Surveyor(s)/Recorder: M. Walton

Equipment Surveyed: Service Truck

INSTRUMENT 1			INSTRUMENT 2		
METER:	MODEL	2360	METER:	MODEL	2929
	S/N	245758		S/N	160012
PROBE:	MODEL	43-93	PROBE:	MODEL	43-10-1
	S/N	PR263618		S/N	164047
	BKG (1) Min CPM	1/157		Mode	ALPHA
	EFF:	0.19		BKG (60) Min CPM	0.25/min
		0.13		EFF	35.22
					26.33

INSERT PICTURE

		DIRECT READING INSTRUMENT 1		SMEAR RESULTS INSTRUMENT 2	
LOCATION	CPM		CPM - α 100 cm ²	CPM - β 100 cm ²	
1 Front (L) Tire	0/164		1	67	
2 Rear Bed	6/171		1	53	
3 Rear (R) Tire	2/177		0	51	
4 cab floor	0/104		0	56	
5 Pedals	1/113		0	51	
6					
7					
8					
9					
10					
11					
12					

Note: Values less than the MDA are reported in the format: <MDA (actual value). The MDA for each instrument and mode is reported in the instrument descriptions at the top of the page.

Review By/Date: M. Joseph 2/26/14



EQUIPMENT SURVEY FIELD LOG

ENTRY / EXIT (CIRCLE ONE)

		INSTRUMENT 1		INSTRUMENT 2	
Project:	BRIDGETON L	METER:	MODEL 2360	METER:	MODEL 2929
			S/N 245758		S/N 160012
Location:	BRIDGETON, M	PROBE:	MODEL 43-93	PROBE:	MODEL 43-10-1
			S/N PR263618		S/N 164047
Date(s):	01/15/2014		BKG (1) Min CPM 1/140		Mode ALPHA BETA-GAMMA
			EFF; 0.19		BKG (10) Min CPM 0.253 mAs 54.33 53.68
			0.13		EFF 35.22 26.33 mAs
Surveyor(s)/Recorder:	Matt Walton				

Equipment Surveyed: Conex Box #2

INSERT PICTURE

		DIRECT READING INSTRUMENT 1		SMEAR RESULTS INSTRUMENT 2	
LOCATION		CPM		CPM - α 100 cm ²	CPM - β 100 cm ²
1	Front Doors	4/140		0	45
2	(L) Side	1/128		0	57
3	Back	4/132		0	50
4	(R) Side	0/152		0	63
5	Back Underbody	2/164		0	35
42					
43					
44					
45					
46					
47					
48					

Note: Values less than the MDA are reported in the format: <MDA (actual value). The MDA for each instrument and mode is reported in the instrument descriptions at the top of the page.

Review By/Date: M Joseph 2/26/14



EQUIPMENT SURVEY FORM

BL-0009

Project Name: FEE/BRI

Location: Bridgeton, MO

Date: 01/16/14

Surveyor/Recorder: Ashley Jahr

Equipment Description:

Dump truck

		α INSTRUMENT 1 β	α INSTRUMENT 2 β
METER:	MODEL	2360	2929
	S/N	270500 245768 MAG	160012 MAG 6/25
PROBE:	MODEL	43-93	43-10-1
	S/N	PR200119 263618 MAG	164047
	UNITS	cpm	cpm
	CAL DATE	10/16/2014	4/9/2014
	BKG	1 / 140	781 / 51.65
		α 0.19 β 0.13	EFF. 0.27 56.30 MAG 0.35 / 0.27
		ENTRY SURVEY	EXIT SURVEY

SURVEY/SMEAR INFORMATION					
SMEAR #	SURVEY POINT	INSTRUMENT		SMEAR	
		READINGS		COUNT (cpm)	
		Alpha	Beta	Alpha	Beta
1	Front Right Tire	3	161	0	40
2	Rear Right Tire	0	139	0	55
3	Rear Left Tire	0	155	0	56
4	Rear underbody	2	157	0	55
5	Gas tank	1	143	0	42
6	cab floor	4	166	0	56
7	Gas Pedal	2	157	1	46
8					
9					
10					
11					
12					

Reviewed By/Date: M Joseph 6/25/14



Bl 0008

BL-0008

EQUIPMENT SURVEY FIELD LOG

ENTRY/ EXIT (CIRCLE ONE)

Project: BRIDGETON L

Location: BRIDGETON, M

Date(s): 01/18/2014

Surveyor(s)/Recorder: Matt Walton

INSTRUMENT 1			INSTRUMENT 2		
METER:	MODEL	2360	METER:	MODEL	2929
	S/N	245758		S/N	160012
PROBE:	MODEL	43-83	PROBE:	MODEL	43-10-1
	S/N	PR263618		S/N	164047
	BKG (1) Min CPM	1/142		Mode	ALPHA
	EFF;	0.19		BKG (60) Min CPM	2.7
		0.13		EFF	35.22
					26.33

Equipment Surveyed: FrontZ Service Truck

INSERT PICTURE

		DIRECT READING INSTRUMENT 1		SMEAR RESULTS INSTRUMENT 2	
LOCATION		α CPM	β	CPM - α 100 cm ²	CPM - β 100 cm ²
1	Front (L) Tire	3	159	0	61
2	Rear (L) Tire	6	168	0	43
3	Front (R) Tire	2	139	0	50
4	Rear (R) Tire	2	162	0	59
5	Left side	4	147	0	62
6	Right side	2	150	0	40
7	Cab floor	5	166	1	47
8	gas Pedal	2	141	0	65
9					
10					
11					
12					

Note: Values less than the MDA are reported in the format: <MDA (actual value). The MDA for each instrument and mode is reported in the instrument descriptions at the top of the page.

Review By/Date: M Joseph 6/25/14



EQUIPMENT SURVEY FORM

BL-0010

Project Name: FEE/BRI

Location: Bridgeton, MO

Date: 04/18/14

Surveyor/Recorder: Ashley Jahr

Equipment Description:

Dump Truck

		α INSTRUMENT 1 β	α INSTRUMENT 2 β
METER:	MODEL	2360	2929
	S/N	270589 245758 mms	160017 mms 4/25
PROBE:	MODEL	43-93	43-10-1
	S/N	PR200119 262618 mms	164047
	UNITS	cpm	cpm
	CAL DATE	10/16/2014	4/9/2014
	BKG	0 / 134	18 / 54.24

Eff. α 0.19 β 0.13

0.27 / 54.20 mAs

ENTRY SURVEY	EXIT SURVEY
--------------	-------------

Eff. 0.35 / 0.26

SURVEY/SMEAR INFORMATION					
SMEAR #	SURVEY POINT	INSTRUMENT		SMEAR	
		READINGS		COUNT (cpm)	
		Alpha	Beta	Alpha	Beta
1	Front Right Tire	1	133	2	57
2	Left Rear Tire	0	148	0	55
3	Gas tank	2	171	0	49
4	Rear Underbody	0	150	0	48
5	Cab floor	0	143	0	47
6	Gas Pedal	1	139	1	54
7					
8					
9					
10					
11					
12					

Reviewed By/Date:

M. Joseph 6/25/14



EQUIPMENT SURVEY FIELD LOG

BL-C 11

BL-0011

ENTRY / EXIT (CIRCLE ONE)

Project: BRIDGETON L

Location: BRIDGETON, M

Date(s): 01/29/2014

INSTRUMENT 1				INSTRUMENT 2			
METER:	MODEL	2360	MAS	METER:	MODEL	2929	2929
	S/N	-245758-278589			S/N	160012	160012
PROBE:	MODEL	43-93	MAS	PROBE:	MODEL	43-10-1	43-10-1
	S/N	PR266648 20119			S/N	164047	164047
	BKG (1) Min CPM	0 / 130			Mode	ALPHA	BETA-GAMMA
	EFF:				BKG (60) Min CPM	.22	54.52
					EFF	35.22	28.33 52.80 MA

Surveyor(s)/Recorder: Danny Henry / Matt Walton

Equipment Surveyed: ConeTech Rig

INSERT PICTURE

LOCATION	DIRECT READING INSTRUMENT 1		SMEAR RESULTS INSTRUMENT 2			
	α CPM	β	CPM - α 100 cm ²		CPM - β 100 cm ²	
1 Front (L) Tire	3	128	2		52	
2 Rear (R) Tire Rim	1	128	1		54	
3 Rear (R) outrigger	4	151	0		49	
4 Front (L) outrigger	2	110	0		60	
5 Cab floor	1	126	0		57	
6 Gas Pedal	1	135	0		66	
7 Steps @ back door	2	125	0		47	
8 bed flooring	0	148	0		61	
9 Middle top Rods	1	92	0		56	
10 Right top Rods	1	91	0		57	
11						
12						

Note: Values less than the MDA are reported in the format: <MDA (actual value). The MDA for each instrument and mode is reported in the instrument descriptions at the top of the page.

Review By/Date: M Joseph 6/25/14



EQUIPMENT SURVEY FORM

BL-0012

Project Name: FEE/BRI

Location: Bridgeton, MO

Date: 01/31/14

Surveyor/Recorder: Matt Walton / Dunny Henry

Equipment Description:

Frak Tank
Green

METER:	MODEL	INSTRUMENT 1	INSTRUMENT 2
		2360	2929
PROBE:	MODEL	278589	16001 ² <i>mas</i>
		43-93	43-10-1 <i>u/as</i>
	S/N	PR200119	164047
		cpm	cpm
	UNITS	10/16/2014	4/9/2014
		BKG	

ENTRY SURVEY	EXIT SURVEY
--------------	-------------

SURVEY/SMEAR INFORMATION					
SMEAR #	SURVEY POINT	INSTRUMENT READINGS		SMEAR COUNT (cpm)	
		Alpha	Beta	Alpha	Beta
1	Drip Pan	0	126	0	52
2	(L) Wall	1	134	0	47
3	(R) Wall	0	105	0	49
4	Back	0	119	1	56
5	Front	0	130	0	36
6	Man-Way (F)	0	127	0	45
7	Manway (B)	0	106	0	54
8					
9					
10	N/A	N/A	N/A	N/A	N/A
11					
12					

Reviewed By/Date:

M Joseph 6/25/14



EQUIPMENT SURVEY FORM

BL-0013

Project Name: FEE/BRI

Location: Bridgeton, MO

Date: 02/07/14

Surveyor/Recorder: Matt Walter

Equipment Description:

SkidSteer
(CAT)

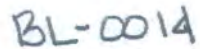
		INSTRUMENT 1	INSTRUMENT 2 α β
METER:	MODEL	2360	2929
	S/N	278589	1600172 <u>MAT 6/25</u>
PROBE:	MODEL	43-93	43-10-1
	S/N	PR200119	164047
	UNITS	cpm	cpm
	CAL DATE	10/16/2014	4/9/2014
	BKG	1 / 122	.25 / .53

0.35 / 0.26 EFF.

ENTRY SURVEY	EXIT SURVEY
--------------	-------------

SURVEY/SMEAR INFORMATION					
SMEAR #	SURVEY POINT	INSTRUMENT		SMEAR	
		READINGS		COUNT (cpm)	
		Alpha	Beta	Alpha	Beta
1	(L) Track	2	137	0	53
2	Inside (L) Track	0	129	0	61
3	(R) Track	0	144	1	47
4	Inside (R) Track	1	140	0	62
5	Rear Underbody	3	139	1	45
6	Bucket	1	121	0	60
7	Cab floor	2	150	0	46
8	Cab controls	0	134	0	44
9					
10					
11					
12					

Reviewed By/Date: M Joseph 6/25/14



ENTRY (EXIT (CIRCLE ONE))



BL- 14

EQUIPMENT SURVEY FIELD LOG

ENTRY / EXIT (CIRCLE ONE)

Project: BRIDGETON L

Location: BRIDGETON, M

Date(s):

INSTRUMENT 1			INSTRUMENT 2		
METER:	MODEL	2360	METER:	MODEL	2929
	S/N	246758		S/N	160012
PROBE:	MODEL	43-93	PROBE:	MODEL	43-10-1
	S/N	PR200018		S/N	164047
BKG (1) Min CPM			Mode		
EFF:			ALPHA		
			BETA-GAMMA		
			BKG (60) Min CPM		
			.25		
			EFF		
			35.22		
			26.33		

Surveyor(s)/Recorder: Alex Luna

Equipment Surveyed: Conetech Rig

INSERT PICTURE

		DIRECT READING INSTRUMENT 1		SMEAR RESULTS INSTRUMENT 2	
		CPM		CPM - α 100 cm ²	CPM - β 100 cm ²
max 13	2	2/164		0	50
14	Ramset 14-15	0/129		2	46
15	1	0/96		0	57
16	Table	0/89		2	64
17	Controls	0/80		0	51
18	Cab floor	0/94		1	68
19	Gas Pedal	0/77		0	62
20	Rear (L) Tire	1/120		1	46
21	Front (R) Tire	0/100		0	57
22	Front outrigger	2/141		0	48
23	Rear outrigger	4/126		1	48
24	entry steps	2/104		0	56

Note: Values less than the MDA are reported in the format: <MDA (actual value). The MDA for each instrument and mode is reported in the instrument descriptions at the top of the page.

Review By/Date:

MC Joseph 6/25/14



EQUIPMENT SURVEY FORM

BL-0015

Project Name: FEE/BRI

Location: Bridgeton, MO

Date: 02/20/14

Surveyor/Recorder: Alex Luna

Equipment Description:

Ashley Jahr

CONVETEC RIG #2
Plate # AJ246X

METER:	MODEL	INSTRUMENT 1	INSTRUMENT 2
		2360	2929
PROBE:	MODEL	278589	1600172 ^{mar} 6/25
		43-93	43-10-1
	S/N	PR200119	164047
		UNITS	cpm
	CAL DATE	10/16/2014	4/9/2014
		BKG	2 / 138

0.35 / 0.26 cff.

ENTRY SURVEY

EXIT SURVEY

SURVEY/SMEAR INFORMATION					
SMEAR #	SURVEY POINT	INSTRUMENT READINGS		SMEAR COUNT (cpm)	
		Alpha	Beta	Alpha	Beta
1	Rods #1	0	117	0	43
2	#2	2	120	0	53
3	#3	2	113	0	52
4	#4	0	104	0	56
5	#5	2	87	0	56
6	6	0	96	0	52
7	7	2	83	0	60
8	8	0	79	0	55
9	9	0	116	0	59
10	10	0	128	0	49
11	Bed Floor #1	1	136	0	42
12	#2	2	144	0	52
13	#3	4	184	0	42
14	Table #1	0	119	0	66
15	#2	0	126	0	72
16	Lift Base	3	126	1	77
17	Lift controls	2	114	1	47
18	Steps	1	183	0	58
19	Cab Floor	4	141	0	56
20	Pedals	2	126	0	75
21	Outrigger Front	4	200	0	46
22	Outrigger Back	5	207	0	36
23	Front tires	1	155	0	61
24	Rear tires	2	158	0	66
25	Middle tire	1	164	0	67
26	N/A	N/A	N/A	N/A	N/A

Reviewed By/Date:

M Joseph 6/25/14



EQUIPMENT SURVEY FORM

0016
BL-000M

Project Name: FEE/BRI

Location: Bridgeton, MO

Date: 2-20-14

Surveyor/Recorder: A. Luna

Equipment Description:

SKID STEER 242B3
CAT

METER:	MODEL	INSTRUMENT 1	INSTRUMENT 2
		2360	2929
PROBE:	MODEL	278589	1600172 MAT 6/24
		43-93	43-10-1
	S/N	PR200119	164047
		UNITS	cpm
	CAL DATE	10/16/2014	4/9/2014
		BKG	0.33 / 41.08

0.35 / 0.26 EFF.

ENTRY SURVEY	EXIT SURVEY
--------------	-------------

SURVEY/SMEAR INFORMATION					
SMEAR #	SURVEY POINT	INSTRUMENT READINGS		SMEAR COUNT (cpm)	
		Alpha	Beta	Alpha	Beta
1	FRONT TIRE	4	152	0	57
2	REAR TIRE	3	158	0	41
3	EXT. BUCKET	1	170	0	59
4	INT. BUCKET	0	162	0	51
5	FLOORING	0	169	1	49
6	COUNTERWEIGHT	2	177	1	46
7	SEAT	0	148	1	40
8					
9					
10					
11					
12					

Reviewed By/Date:

M Joseph 6/25/14



EQUIPMENT SURVEY FORM

BL-0017

Project Name: FEE/BRI

Location: Bridgeton, MO

Date: 2-21-14

Surveyor/Recorder: A. Luna

Equipment Description:

MAIN TRAILER

METER:	MODEL	INSTRUMENT 1	INSTRUMENT 2
		2360	2929
PROBE:	MODEL	278589	160017/2 ^{ANAL} 6(2)
		43-93	43-10-1
	S/N	PR200119	164047
	UNITS	cpm	cpm
	CAL DATE	10/16/2014	4/9/2014
	BKG	2/136	21 / 58.73

ENTRY SURVEY

EXIT SURVEY

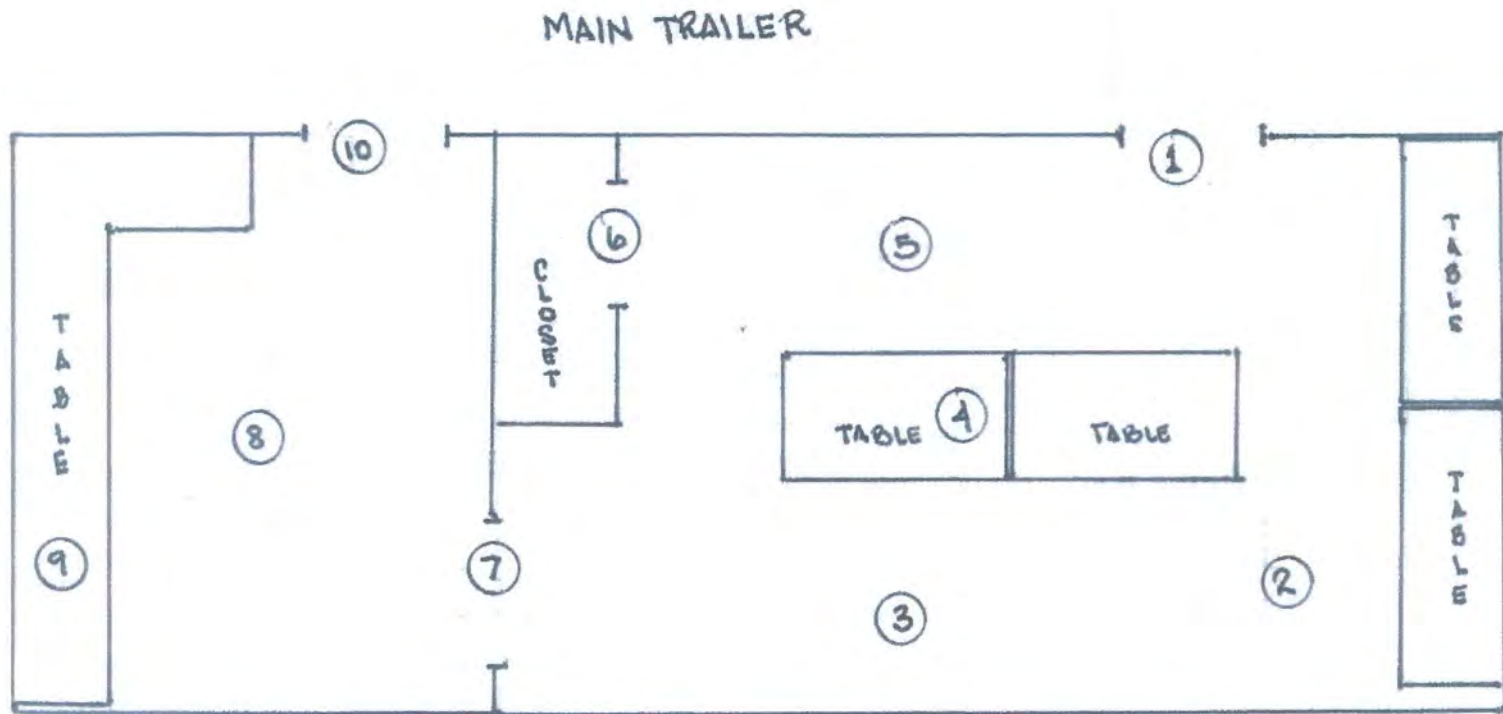
ROUTINE

SURVEY/SMEAR INFORMATION					
SMEAR #	SURVEY POINT	INSTRUMENT READINGS		SMEAR COUNT (cpm)	
		Alpha	Beta	Alpha	Beta
1	SEE DRAWING FOR LOCATIONS	1	158	1	43
2		1	157	0	63
3		0	148	0	53
4		4	151	0	51
5		1	133	0	48
6		0	137	0	42
7		1	171	0	51
8		0	174	0	54
9		3	145	1	51
10		1	152	0	51
11					
12					

Reviewed By/Date:

M. Joseph 6/25/14

2/21/14



M Joseph
6/25/14



EQUIPMENT SURVEY FORM

BL-0018

Project Name: FEE/BRI

Location: Bridgeton, MO

Date: 02/25/14

Surveyor/Recorder: Ashley Jahr

Equipment Description:

CONCRETE Grout Material
+ Bucket

METER:	MODEL	INSTRUMENT 1	INSTRUMENT 2
		2360	2929
PROBE:	S/N	278589	160017 ^{m.n.g.} _{u/d}
		43-93	43-10-1
	S/N	PR200119	164047
		cpm	cpm
	UNITS	10/16/2014	4/9/2014
		BKG	1 / 127

20 / 58.41
0.35 / 0.26 cff

ENTRY SURVEY	EXIT SURVEY
--------------	-------------

SURVEY/SMEAR INFORMATION					
SMEAR #	SURVEY POINT	INSTRUMENT READINGS		SMEAR COUNT (cpm)	
		Alpha	Beta	Alpha	Beta
1	SM TUB Inside	0	159	0	53
2	SM TUB Outside	1	163	0	43
3	BIG TUB Inside	2	139	0	62
4	BIG TUB Outside	0	118	0	37
5	TARP	0	144	1	48
6	Ice Chest Inside	0	132	0	44
7	Ice Chest Outside	0	156	0	66
8	Garbage Bag 1	0	148	0	51
9	Garbage Bag 2	0	199	0	53
10	Bucket	1	138	1	47
11	N/A	N/A	N/A	N/A	N/A
12					

Reviewed By/Date: MC Joseph 6/25/14



EQUIPMENT SURVEY FORM

BL-0019

Project Name: FEE/BRI

Location: Bridgeton, MO

Date: 02/26/2014

Surveyor/Recorder: Ashley Tahr

Equipment Description:

FrontZ skidsteer

METER:	MODEL	α INSTRUMENT 1 β	α INSTRUMENT 2 β
		2360	2929
PROBE:	S/N	<u>245779</u> 278580	1800172 ^{max} _{6/25}
	MODEL	43-93	43-10-1
	S/N	<u>PR260191</u> PR200119	164047
	UNITS	cpm	cpm
	CAL DATE	<u>8/12/14</u> 10/10/2014	4/9/2014
	BKG	1 / 131	.25 / 53.76

ENTRY SURVEY

EXIT SURVEY

SURVEY/SMEAR INFORMATION					
SMEAR #	SURVEY POINT	INSTRUMENT READINGS		SMEAR COUNT (cpm)	
		Alpha	Beta	Alpha	Beta
1	(R) Track	2	149	0	53
2	(R) Track Inside	0	128	0	61
3	(L) Track	0	142	0	52
4	(L) Track Inside	2	155	0	54
5	Rear underbody	1	148	0	59
6	Bucket Inside	4	152	1	49
7	cab floor	2	156	0	48
8	cab controls	2	141	6	46
9	Rear Top	1	139	0	63
10	Bucket outside	3	148	0	55
11	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
12					

Reviewed By/Date:

M Joseph 6/25/14



EQUIPMENT SURVEY FORM

BL-0020

Project Name: FEE/BRI

Location: Bridgeton, MO

Date: 02/26/14

Surveyor/Recorder: Alex Luna

Equipment Description:

Frontz Flatbed #525

		INSTRUMENT 1	INSTRUMENT 2
METER:	MODEL	2360	2929
	S/N	245779	160017
PROBE:	MODEL	43-93	43-10-1
	S/N	PR260891	164047
	UNITS	cpm	cpm
	CAL DATE	3/12/2014	4/9/2014
	BKG	+ 1 / B 140	+ .25 / B 53.76

ENTRY SURVEY

EXIT SURVEY

SURVEY/SMEAR INFORMATION					
SMEAR #	SURVEY POINT	INSTRUMENT READINGS		SMEAR COUNT (cpm)	
		Alpha	Beta	Alpha	Beta
1	Flat bed	4	146	0	44
2	Flat bed	2	141	0	61
3	Cab Floor	3	147	0	36
4	Pedals	1	125	0	47
5	Steps	2	153	0	59
6	Seat	1	123	0	69
7	Front tires*	0	134	0	66
8	Rear tire	2	113	0	64
9	Hose	0	123	0	61
10	Hose	0	120	1	83
11	N/A	N/A	N/A	N/A	N/A
12					

Reviewed By/Date:

M. Joseph 6/25/14



EQUIPMENT SURVEY FORM

BL - 0021

Project Name: FEE/BRI

Location: Bridgeton, MO

Date: 02/26/14

Surveyor: Alex Luna
Ashley Jahr

METER:	MODEL	INSTRUMENT 1	INSTRUMENT 2
		2360	2929
PROBE:	MODEL	245779	1600172
		43-93	43-10-1
S/N	PR260691	164047	164047
		cpm	cpm
CAL DATE	3/12/2014	4/9/2014	53.76
		BKG	1/159

ENTRY SURVEY

EXIT SURVEY

Frontz
Drill Rig
#521
(1 of 2)

SURVEY/SMEAR INFORMATION					
SMEAR #	SURVEY POINT	INSTRUMENT READINGS		SMEAR COUNT (cpm)	
		Alpha	Beta	Alpha	Beta
1	6" Rods EXT	5	166	1	55
2	↓ INT	1	182	0	72
3	EXT	1	192	1	57
4	INT	0	146	0	37
5	EXT	4	126	0	47
6	INT	0	101	1	51
7	EXT	1	134	1	36
8	INT	0	105	0	46
9	EXT	0	101	1	47
10	INT	1	184	0	51
11	EXT	1	118	0	55
12	INT	2	77	1	46
13	↑ EXT	1	126	0	56
14	6" Rods INT	2	133	0	52
15	4" Rods EXT	3	101	0	57
16	↓ INT	N/A	N/A	0	43
17	EXT	0	130	1	57
18	INT	N/A	N/A	0	51
19	EXT	2	119	0	62
20	INT	N/A	N/A	0	44
21	EXT	1	130	0	43
22	INT	N/A	N/A	0	55
23	↑ EXT	0	143	0	50
24	4" Rods INT	N/A	N/A	0	53
25	Clamp Plate	3	105	0	53
26	Clamp Plate	3	104	0	42

Reviewed By/Date:

M Joseph 4/25/17



EQUIPMENT SURVEY FORM

Project Name: FEE/BRI

Location: Bridgeton, MO

Date: 02/26/14

Surveyor: Alex Luna
Ashley Jahr

METER:	MODEL	INSTRUMENT 1	INSTRUMENT 2
		2360	2929
PROBE:	MODEL	245779	16001X ^{max} 1/25
		43-93	43-10-1
	S/N	PR260691	164047
		cpm	cpm
	CAL DATE	3/12/2014	4/9/2014
		BKG	0.25 53.76

ENTRY SURVEY

EXIT SURVEY

Frontz
Drill Rig
#521
(2082)

SURVEY/SMEAR INFORMATION					
SMEAR #	SURVEY POINT	INSTRUMENT		SMEAR	
		READINGS		COUNT (cpm)	
		Alpha	Beta	Alpha	Beta
27	Head Unit	4	108	0	56
28	6" Rod Storage	0	142	1	55
29	6" Rod Storage	3	119	0	51
30	Bed Flooring	1	123	1	52
31	Bed Flooring	1	106	0	52
32	Driller Stand	0	154	1	41
33	Helper stand	0	155	0	52
34	Controls	2	127	0	49
35	Derrick	3	139	0	56
36	Tub 1	2	177	0	59
37	Tub 2	3	228	1	54
38	Front Outrigger	2	158	1	57
39	Rear Outrigger	0	106	0	36
40	Cab Flooring	0	119	0	45
41	Gas Pedal	3	104	1	50
42					
43					
44					
45					
46					
47					
48					
49					
50					
51					
52					

Reviewed By/Date:

M Joseph 6/25/14



EQUIPMENT SURVEY FORM

BL-0023

Project Name: FEE/BRI

Location: Bridgeton, MO

Date: 03/06/14

Surveyor/Recorder: Matt Walton / Alex Luna

Equipment Description: Roberts Environmental

Gio Probe / skidsteer

		α INSTRUMENT 1 β	α INSTRUMENT 2 β
METER:	MODEL	2360	2929
	S/N	278589	1600172 <i>mtw 6/25</i>
PROBE:	MODEL	43-93	43-10-1
	S/N	PR200119	164047
	UNITS	cpm	cpm
	CAL DATE	10/16/2014	4/9/2014
	BKG	1 109	-25 53.50

ENTRY SURVEY

EXIT SURVEY

Gio Probe

Skidsteer

SURVEY/SMEAR INFORMATION					
SMEAR #	SURVEY POINT	INSTRUMENT READINGS		SMEAR COUNT (cpm)	
		Alpha	Beta	Alpha	Beta
1	Right Track	0	114	0	53
2	Left Track	2	134	0	46
3	Derrick	1	103	1	43
4	controls	1	112	0	53
5	Head	0	149	0	49
6	2" Rods	0	101	1	65
7	4" Rods	1	119	0	55
8	N/A @	/ @	/ @	/ @	/ @
9	Fork	1	131	0	45
10	Right Track	2	131	1	42
11	Left Track	0	128	1	42
12	Cab floor	2	147	0	48

Reviewed By/Date:

M Joseph 6/25/14



EQUIPMENT SURVEY FIELD LOG

ENTRY EXIT (CIRCLE ONE) BL 0024

Project: BRIDGETON L

Location: BRIDGETON, N

Date(s): 3-12-14

Surveyor(s)/Recorder: A. LUND, M. WALTON

INSTRUMENT 1			INSTRUMENT 2		
METER:	MODEL	2360	METER:	MODEL	2929
	S/N	246758 278589		S/N	160012
PROBE:	MODEL	43-93	PROBE:	MODEL	43-10-1
	S/N	BR283648 200119		S/N	164047
	BKG (1) Min CPM	0/144		Mode	ALPHA
	EFF;	0.19		BKG (60) Min CPM	.40
		0.13		EFF	35.22
					26.33

Equipment Surveyed: WATER KNIFE
VACMASTER 4000
PLATE # 7063 PM

INSERT PICTURE

		DIRECT READING INSTRUMENT 1		SMEAR RESULTS INSTRUMENT 2	
LOCATION		α CPM	β	CPM - α 100 cm ²	CPM - β 100 cm ²
1	51 INSIDE CONTAINER 1	4	164	0	50
2	52 2	2	166	1	54
1	53 HOSE 1	3	163	0	53
2	54 2	3	158	1	56
55					
56					
57					
58					
59					
70					
71					
72					

Note: Values less than the MDA are reported in the format: <MDA (actual value). The MDA for each instrument and mode is reported in the instrument descriptions at the top of the page.

Review By/Date: M. Joseph 6/25/14



EQUIPMENT SURVEY FORM

BL-0025

GEOPROBE 8040 DT # 001148 SN: Z10155D8040

Project Name: FEE/BRI

Location: Bridgeton, MO

Date: 3-13-14

Surveyor: A. LUNA

METER:	MODEL	2360	2929
	S/N	245779 278-589 MAS u/s	1600182 MAS u/s
PROBE:	MODEL	43-93	43-10-1
	S/N	PR26004 PR200119	164047
	UNITS	cpm	cpm
	CAL DATE	10/16/2014	4/9/2014
	BKG	2/151	30/53

mas eff 0.19
0.13

ENTRY SURVEY	EXIT SURVEY
--------------	-------------

SURVEY/SMEAR INFORMATION					
SMEAR #	SURVEY POINT	INSTRUMENT		SMEAR	
		READINGS		COUNT (cpm)	
		Alpha	Beta	Alpha	Beta
1	3.0" ROD	1	140	0	61
2		1	99	0	48
3		2	114	1	45
4		5	130	0	46
5		1	126	0	45
6		1	120	0	51
7	4.0" ROD	6	111	0	57
8		0	124	1	48
9		1	96	0	46
10		1	120	0	53
11	3.0" ROD	0	96	0	49
12		1	115	0	46
13		3	105	0	55
14		2	104	0	63
15	BOTTOM OF HEAD UNIT FOOT	4	94	0	48
16	FOOT CLAMP	2	98	0	55
17	RIGHT TRACKS	2	110	1	52
18		2	131	0	65
19	LEFT TRACKS	2	117	1	67
20		2	131	0	58
21	GREEN HOSE	3	224	0	54
22	RED HOSE	1	214	0	56
23					
24					
25					
26					

Reviewed By/Date:

M. Joseph 6/25/14



EQUIPMENT SURVEY FORM

BL - 0026

SKID STEER (BOBCAT T190)

Project Name: FEE/BRI

Location: Bridgeton, MO

Date: 3-13-14

Surveyor: A. LUNA

METER:	MODEL	INSTRUMENT 1		INSTRUMENT 2	
		2360	2929	180017	184047
PROBE:	S/N	245720	278589	180017	184047
		43-93	43-10-1	43-10-1	43-10-1
UNITS	S/N	PR20091	PR200119	PR20091	PR200119
		cpm	cpm	cpm	cpm
CAL DATE	BKG	10/16/2014	4/9/2014	10/16/2014	4/9/2014
		2 / 151	30 / 53	2 / 151	30 / 53

mas
EH 20.19
B 0.13

ENTRY SURVEY

EXIT SURVEY

SURVEY/SMEAR INFORMATION

SMEAR #	SURVEY POINT	INSTRUMENT		SMEAR	
		READINGS		COUNT (cpm)	
		Alpha	Beta	Alpha	Beta
1	RIGHT TRACKS	3	158	0	51
2	LEFT TRACKS	4	160	0	58
3	LEFT FORK	3	182	0	52
4	RIGHT FORK	2	128	1	43
5	FLOORING	3	139	1	59
6	TRUCK TIRE REAR	4	132	0	53
7	TRUCK TIRE FRONT L	3	139	0	46
8	TRUCK TIRE FRONT R	0	138	0	41
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

Reviewed By/Date:

M. J. J. 6/25/14



EQUIPMENT SURVEY FIELD LOG

BL-0029
ENTRY EXIT (CIRCLE ONE)

	INSTRUMENT 1			INSTRUMENT 2		
	METER:	MODEL	2360	METER:	MODEL	2929
Project: BRIDGETON L		S/N	245758 278		S/N	160012
Location: BRIDGETON, M	PROBE:	MODEL	43-93	PROBE:	MODEL	43-10-1
Date(s): 3-21-14		S/N	PR203648 200119		S/N	164047
	BKG (1) Min CPM	1/133		Mode	ALPHA	BETA-GAMMA
	EFF:	192/129 mas		BKG (60) Min CPM	40	56
				EFF	35.22	26.33

Surveyor(s)/Recorder: A. LUNA

"EXIT SURVEY"

Equipment Surveyed:

KAWASAKI MULE 3010

INSERT PICTURE

	LOCATION	DIRECT READING INSTRUMENT 1		SMEAR RESULTS INSTRUMENT 2			
		CPM α	B γ	CPM - α 100 cm ²	α	CPM - β 100 cm ²	B γ
1 20	BED FLOORING	2	104		0		56
2 24	" "	2	168		1		62
3 28	TAILGATE	5	158		1		49
4 76	CAB FLOOR (DRIVER)	1	128		0		55
5 77	CAB FLOOR (PASS)	4	150		0		58
6 78	GAS PEDAL	2	145		0		48
7 79	LEFT FRONT TIRE	2	140		2		56
8 80	RIGHT REAR TIRE	0	156		0		57
81							
82							
83							
84							

Note: Values less than the MDA are reported in the format: <MDA (actual value). The MDA for each instrument and mode is reported in the instrument descriptions at the top of the page.

Review By/Date:

[Signature] 6/25/14



"DECON PAD LINER"

3-21-14

EFF. MAR 0.19

0.5

(EXIT SURVEY)

BL-0028

	INSTRUMENT 1	INSTRUMENT 2
MODEL	2360	2929
S/N	278589	16001X ^{MAR 6 2017}
MODEL	43-93	43-10-1
S/N	PR200119	164047
UNITS	cpm	cpm
CAL DATE	10/16/2014	4/9/2014
BKG	1/133	.40/56

SURVEY/SMEAR INFORMATION						SURVEY/SMEAR INFORMATION					
SMEAR #	SURVEY POINT	INSTRUMENT		SMEAR COUNT (cpm)		SMEAR #	SURVEY POINT	INSTRUMENT		SMEAR COUNT (cpm)	
		Alpha	Beta	Alpha	Beta			Alpha	Beta	Alpha	Beta
1	BRACKETS	4	165	0	51	27					
2		1	149	0	58	28					
3		2	159	0	47	29					
4		1	142	2	41	30					
5		2	157	0	65	31					
6		2	154	0	58	32					
7		3	169	1	39	33					
8		2	162	0	43	34					
9		5	166	0	54	35					
10		2	151	1	49	36					
11	LINER	1	159	0	51	37					
12		3	158	0	52	38					
13		4	180	0	49	39					
14		1	160	0	62	40					
15		2	153	0	50	41					
16		5	178	0	48	42					
17		4	162	1	51	43					
18		2	172	1	50	44					
19		1	184	0	43	45					
20		8	196	1	54	46					
21						47					
22						48					
23						49					
24						50					
25						51					
26						52					

M. Joseph 6/25/14



EQUIPMENT SURVEY FORM

BL-0031

Project Name: FEE/BRI

Location: Bridgeton, MO

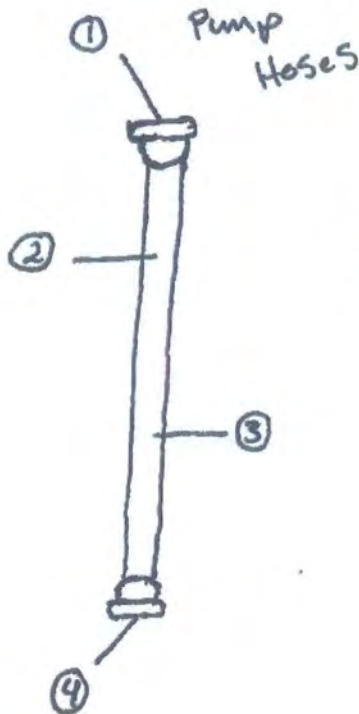
Date: 04-15-2014

Surveyor: Matt Walton

		INSTRUMENT 1	INSTRUMENT 2
METER:	MODEL	2360	2929
	S/N	245779 278589 ^{mas} 7/21	160017 ^{mas} u/25
PROBE:	MODEL	43-93	43-10-1
	S/N	PR20091 200119	164047
	UNITS	cpm	cpm
	CAL DATE	10/16/2014	4/9/2014
	BKG	0.154	0.116 / 50.16
		ENTRY SURVEY	EXIT SURVEY

mas Eff 20.19
80.13

0.14 0.21 Eff



mas u/25

SURVEY/SMEAR INFORMATION					
SMEAR #	SURVEY POINT	INSTRUMENT READINGS		SMEAR COUNT (cpm)	
		Alpha	Beta	Alpha	Beta
1 21	Hose # 1	0	174	0	48
2 26	}	0	208	0	62
3 26		1	220	1	41
4 26		0	193	1	37
5 21	Hose # 2	2	190	0	44
6 26	}	3	181	0	49
7 26		1	208	1	36
8 26		0	194	0	47
9 26	Hose # 3	3	169	0	44
10 26	}	1	198	0	54
11 21		0	222	0	41
12 26		3	201	0	45
13 26	Hose # 4	1	236	1	64
14 46	}	2	182	0	47
15 21		1	197	1	46
16 46		4	191	0	48
17 46	Hose # 5	2	218	0	43
18 46	}	3	204	0	58
19 46		1	202	0	49
20 46		2	188	0	51
41					
46					
46					
50					
51					
52					

Reviewed By/Date:

M Joseph 7/21/14



EQUIPMENT SURVEY FORM

BL-0030

Project Name: FEE/BRI

Location: Bridgeton, MO

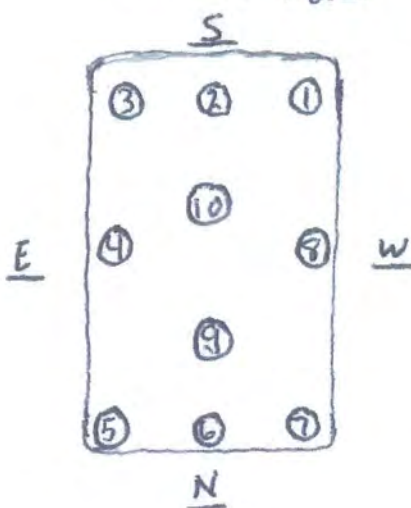
Date: 04-15-2014

Surveyor: Matt Walton

METER:	MODEL	INSTRUMENT 1	INSTRUMENT 2
	S/N	2360	2929
PROBE:	MODEL	246779-10 278589	160017
	S/N	43-93	43-10-1
	UNITS	PR26001 @ PR200119	164047
	CAL DATE	cpm	cpm
	BKG	10/16/2014	4/9/2014
		0.154	0.16 / 50.16
			0.14 / 50.27 eff
		ENTRY SURVEY	EXIT SURVEY

m.s. ETC 0.17
0.13

Decon Pad



SURVEY/SMEAR INFORMATION					
SMEAR #	SURVEY POINT	INSTRUMENT READINGS		SMEAR COUNT (cpm)	
		Alpha	Beta	Alpha	Beta
1	See Sketch	0	222	0	38
2		3	264	0	46
3		4	262	0	35
4		1	259	0	57
5		3	247	0	50
6		2	213	1	45
7		2	234	0	49
8		0	228	0	49
9		2	198	0	51
10		1	247	1	52
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

Reviewed By/Date:

M Joseph 7/21/14

Sub-Appendix G.2

Free Release Survey Data

REMOVABLE FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Removable Alpha Free Release Limit 20 dpm/100cm2, average

Removable Beta/Gamma Free Release Limit 1,000 dpm/100cm2, average

Smear #	Equip ID	Smear Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma \beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
1	Skidsteer	11/13/2013	1	1	0	0.27	-0.27	0.52	0.35	-0.77	40	53.16	-13.16	10	0.26	-50.62
2	Skidsteer	11/13/2013	1	1	2	0.27	1.73	1.51	0.35	4.94	54	53.16	0.84	10	0.26	3.23
3	Skidsteer	11/13/2013	1	1	0	0.27	-0.27	0.52	0.35	-0.77	54	53.16	0.84	10	0.26	3.23
4	Skidsteer	11/13/2013	1	1	0	0.27	-0.27	0.52	0.35	-0.77	53	53.16	-0.16	10	0.26	-0.62
5	Skidsteer	11/13/2013	1	1	1	0.27	0.73	1.13	0.35	2.09	53	53.16	-0.16	10	0.26	-0.62
6	Skidsteer	11/13/2013	1	1	0	0.27	-0.27	0.52	0.35	-0.77	59	53.16	5.84	11	0.26	22.46
7	Skidsteer	11/13/2013	1	1	0	0.27	-0.27	0.52	0.35	-0.77	45	53.16	-8.16	10	0.26	-31.38
8	Skidsteer	11/13/2013	1	1	0	0.27	-0.27	0.52	0.35	-0.77	62	53.16	8.84	11	0.26	34.00
9	Skidsteer	11/13/2013	1	1	1	0.27	0.73	1.13	0.35	2.09	56	53.16	2.84	10	0.26	10.92
10	Skidsteer	11/13/2013	1	1	0	0.27	-0.27	0.52	0.35	-0.77	59	53.16	5.84	11	0.26	22.46
11	Skidsteer	11/13/2013	1	1	0	0.27	-0.27	0.52	0.35	-0.77	54	53.16	0.84	10	0.26	3.23
12	Skidsteer	11/13/2013	1	1	1	0.27	0.73	1.13	0.35	2.09	32	53.16	-21.16	9	0.26	-81.38
1	Water Truck	11/13/2013	1	1	0	0.27	-0.27	0.52	0.35	-0.77	56	53.16	2.84	10	0.26	10.92
2	Water Truck	11/13/2013	1	1	0	0.27	-0.27	0.52	0.35	-0.77	60	53.16	6.84	11	0.26	26.31
3	Water Truck	11/13/2013	1	1	1	0.27	0.73	1.13	0.35	2.09	51	53.16	-2.16	10	0.26	-8.31
4	Water Truck	11/13/2013	1	1	0	0.27	-0.27	0.52	0.35	-0.77	55	53.16	1.84	10	0.26	7.08
5	Water Truck	11/13/2013	1	1	0	0.27	-0.27	0.52	0.35	-0.77	57	53.16	3.84	10	0.26	14.77
6	Water Truck	11/13/2013	1	1	0	0.27	-0.27	0.52	0.35	-0.77	62	53.16	8.84	11	0.26	34.00
7	Water Truck	11/13/2013	1	1	0	0.27	-0.27	0.52	0.35	-0.77	60	53.16	6.84	11	0.26	26.31
8	Water Truck	11/13/2013	1	1	0	0.27	-0.27	0.52	0.35	-0.77	47	53.16	-6.16	10	0.26	-23.69
9	Water Truck	11/13/2013	1	1	0	0.27	-0.27	0.52	0.35	-0.77	67	53.16	13.84	11	0.26	53.23
10	Water Truck	11/13/2013	1	1	1	0.27	0.73	1.13	0.35	2.09	48	53.16	-5.16	10	0.26	-19.85
11	Water Truck	11/13/2013	1	1	0	0.27	-0.27	0.52	0.35	-0.77	52	53.16	-1.16	10	0.26	-4.46
12	Water Truck	11/13/2013	1	1	0	0.27	-0.27	0.52	0.35	-0.77	56	53.16	2.84	10	0.26	10.92
1	1 Meter Rod	11/12/2013	1	1	0	0.31	-0.31	0.56	0.35	-0.89	44	52.70	-8.70	10	0.26	-33.46
2	1 Meter Rod	11/12/2013	1	1	0	0.31	-0.31	0.56	0.35	-0.89	57	52.70	4.30	10	0.26	16.54
3	1 Meter Rod	11/12/2013	1	1	0	0.31	-0.31	0.56	0.35	-0.89	61	52.70	8.30	11	0.26	31.92
4	1 Meter Rod	11/12/2013	1	1	1	0.31	0.69	1.14	0.35	1.97	57	52.70	4.30	10	0.26	16.54
5	1 Meter Rod	11/12/2013	1	1	1	0.31	0.69	1.14	0.35	1.97	63	52.70	10.30	11	0.26	39.62
6	1 Meter Rod	11/12/2013	1	1	1	0.31	0.69	1.14	0.35	1.97	43	52.70	-9.70	10	0.26	-37.31
7	1 Meter Rod	11/12/2013	1	1	1	0.31	0.69	1.14	0.35	1.97	59	52.70	6.30	11	0.26	24.23
1	TC1	11/12/2013	1	1	0	0.31	-0.31	0.56	0.35	-0.89	54	52.70	1.30	10	0.26	5.00
2	TC1	11/12/2013	1	1	2	0.31	1.69	1.52	0.35	4.83	49	52.70	-3.70	10	0.26	-14.23
3	TC1	11/12/2013	1	1	0	0.31	-0.31	0.56	0.35	-0.89	65	52.70	12.30	11	0.26	47.31
4	TC1	11/12/2013	1	1	0	0.31	-0.31	0.56	0.35	-0.89	61	52.70	8.30	11	0.26	31.92

REMOVABLE FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Removable Alpha Free Release Limit 20 dpm/100cm², average

Removable Beta/Gamma Free Release Limit 1,000 dpm/100cm², average

Smear #	Equip ID	Smear Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma\beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
5	TC1	11/12/2013	1	1	0	0.31	-0.31	0.56	0.35	-0.89	58	52.70	5.30	11	0.26	20.38
6	TC1	11/12/2013	1	1	0	0.31	-0.31	0.56	0.35	-0.89	57	52.70	4.30	10	0.26	16.54
7	TC1	11/12/2013	1	1	0	0.31	-0.31	0.56	0.35	-0.89	65	52.70	12.30	11	0.26	47.31
8	TC1	11/12/2013	1	1	0	0.31	-0.31	0.56	0.35	-0.89	45	52.70	-7.70	10	0.26	-29.62
9	TC1	11/12/2013	1	1	0	0.31	-0.31	0.56	0.35	-0.89	56	52.70	3.30	10	0.26	12.69
10	TC1	11/12/2013	1	1	0	0.31	-0.31	0.56	0.35	-0.89	46	52.70	-6.70	10	0.26	-25.77
11	TC1	11/12/2013	1	1	0	0.31	-0.31	0.56	0.35	-0.89	49	52.70	-3.70	10	0.26	-14.23
12	TC1	11/12/2013	1	1	0	0.31	-0.31	0.56	0.35	-0.89	44	52.70	-8.70	10	0.26	-33.46
1	Conetec Pickup T	11/15/2013	1	1	0	0.30	-0.30	0.55	0.35	-0.86	36	49.45	-13.45	9	0.26	-51.73
2	Conetec Pickup T	11/15/2013	1	1	1	0.30	0.70	1.14	0.35	2.00	46	49.45	-3.45	10	0.26	-13.27
3	Conetec Pickup T	11/15/2013	1	1	1	0.30	0.70	1.14	0.35	2.00	52	49.45	2.55	10	0.26	9.81
4	Conetec Pickup T	11/15/2013	1	1	0	0.30	-0.30	0.55	0.35	-0.86	62	49.45	12.55	11	0.26	48.27
5	Conetec Pickup T	11/15/2013	1	1	0	0.30	-0.30	0.55	0.35	-0.86	54	49.45	4.55	10	0.26	17.50
6	Conetec Pickup T	11/15/2013	1	1	0	0.30	-0.30	0.55	0.35	-0.86	47	49.45	-2.45	10	0.26	-9.42
7	Conetec Pickup T	11/15/2013	1	1	0	0.30	-0.30	0.55	0.35	-0.86	50	49.45	0.55	10	0.26	2.12
8	Conetec Pickup T	11/15/2013	1	1	0	0.30	-0.30	0.55	0.35	-0.86	68	49.45	18.55	11	0.26	71.35
1	Dump Truck	11/15/2013	1	1	0	0.30	-0.30	0.55	0.35	-0.86	46	49.45	-3.45	10	0.26	-13.27
2	Dump Truck	11/15/2013	1	1	0	0.30	-0.30	0.55	0.35	-0.86	53	49.45	3.55	10	0.26	13.65
3	Dump Truck	11/15/2013	1	1	0	0.30	-0.30	0.55	0.35	-0.86	58	49.45	8.55	10	0.26	32.88
4	Dump Truck	11/15/2013	1	1	1	0.30	0.70	1.14	0.35	2.00	58	49.45	8.55	10	0.26	32.88
5	Dump Truck	11/15/2013	1	1	0	0.30	-0.30	0.55	0.35	-0.86	63	49.45	13.55	11	0.26	52.12
6	Dump Truck	11/15/2013	1	1	0	0.30	-0.30	0.55	0.35	-0.86	71	49.45	21.55	11	0.26	82.88
7	Dump Truck	11/15/2013	1	1	0	0.30	-0.30	0.55	0.35	-0.86	45	49.45	-4.45	10	0.26	-17.12
8	Dump Truck	11/15/2013	1	1	0	0.30	-0.30	0.55	0.35	-0.86	54	49.45	4.55	10	0.26	17.50
9	Dump Truck	11/15/2013	1	1	0	0.30	-0.30	0.55	0.35	-0.86	67	49.45	17.55	11	0.26	67.50
10	Dump Truck	11/15/2013	1	1	0	0.30	-0.30	0.55	0.35	-0.86	55	49.45	5.55	10	0.26	21.35
11	Dump Truck	11/15/2013	1	1	0	0.30	-0.30	0.55	0.35	-0.86	49	49.45	-0.45	10	0.26	-1.73
12	Dump Truck	11/15/2013	1	1	0	0.30	-0.30	0.55	0.35	-0.86	58	49.45	8.55	10	0.26	32.88
1	Skidsteer	11/19/2013	1	1	2	0.25	1.75	1.50	0.35	5.00	56	53.80	2.20	10	0.26	8.46
2	Skidsteer	11/19/2013	1	1	1	0.25	0.75	1.12	0.35	2.14	62	53.80	8.20	11	0.26	31.54
3	Skidsteer	11/19/2013	1	1	1	0.25	0.75	1.12	0.35	2.14	59	53.80	5.20	11	0.26	20.00
4	Skidsteer	11/19/2013	1	1	1	0.25	0.75	1.12	0.35	2.14	49	53.80	-4.80	10	0.26	-18.46
5	Skidsteer	11/19/2013	1	1	0	0.25	-0.25	0.50	0.35	-0.71	50	53.80	-3.80	10	0.26	-14.62
6	Skidsteer	11/19/2013	1	1	0	0.25	-0.25	0.50	0.35	-0.71	59	53.80	5.20	11	0.26	20.00
7	Skidsteer	11/19/2013	1	1	0	0.25	-0.25	0.50	0.35	-0.71	54	53.80	0.20	10	0.26	0.77

REMOVABLE FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Removable Alpha Free Release Limit 20 dpm/100cm², average

Removable Beta/Gamma Free Release Limit 1,000 dpm/100cm², average

Smear #	Equip ID	Smear Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)	Net α (cpm)	$\sigma \alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma \beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
8	Skidsteer	11/19/2013	1	1	0	0.25	-0.25	0.50	0.35	-0.71	73	53.80	19.20	11	0.26	73.85
9	Skidsteer	11/19/2013	1	1	0	0.25	-0.25	0.50	0.35	-0.71	54	53.80	0.20	10	0.26	0.77
10	Skidsteer	11/19/2013	1	1	0	0.25	-0.25	0.50	0.35	-0.71	42	53.80	-11.80	10	0.26	-45.38
11	Skidsteer	11/19/2013	1	1	1	0.25	0.75	1.12	0.35	2.14	62	53.80	8.20	11	0.26	31.54
12	Skidsteer	11/19/2013	1	1	0	0.25	-0.25	0.50	0.35	-0.71	47	53.80	-6.80	10	0.26	-26.15
1	Conetec Rig	11/24/2013	1	1	1	0.25	0.75	1.12	0.35	2.14	65	57.95	7.05	11	0.26	27.12
2	Conetec Rig	11/24/2013	1	1	0	0.25	-0.25	0.50	0.35	-0.71	47	57.95	-10.95	10	0.26	-42.12
3	Conetec Rig	11/24/2013	1	1	0	0.25	-0.25	0.50	0.35	-0.71	50	57.95	-7.95	10	0.26	-30.58
4	Conetec Rig	11/24/2013	1	1	0	0.25	-0.25	0.50	0.35	-0.71	66	57.95	8.05	11	0.26	30.96
5	Conetec Rig	11/24/2013	1	1	0	0.25	-0.25	0.50	0.35	-0.71	42	57.95	-15.95	10	0.26	-61.35
6	Conetec Rig	11/24/2013	1	1	0	0.25	-0.25	0.50	0.35	-0.71	55	57.95	-2.95	11	0.26	-11.35
7	Conetec Rig	11/24/2013	1	1	0	0.25	-0.25	0.50	0.35	-0.71	54	57.95	-3.95	11	0.26	-15.19
8	Conetec Rig	11/24/2013	1	1	0	0.25	-0.25	0.50	0.35	-0.71	69	57.95	11.05	11	0.26	42.50
9	Conetec Rig	11/24/2013	1	1	1	0.25	0.75	1.12	0.35	2.14	57	57.95	-0.95	11	0.26	-3.65
10	Conetec Rig	11/24/2013	1	1	0	0.25	-0.25	0.50	0.35	-0.71	54	57.95	-3.95	11	0.26	-15.19
11	Conetec Rig	11/24/2013	1	1	0	0.25	-0.25	0.50	0.35	-0.71	60	57.95	2.05	11	0.26	7.88
12	Conetec Rig	11/24/2013	1	1	0	0.25	-0.25	0.50	0.35	-0.71	49	57.95	-8.95	10	0.26	-34.42
1	TC1	12/3/2013	1	1	2	0.23	1.77	1.49	0.35	5.06	67	57.20	9.80	11	0.26	37.69
2	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	50	57.20	-7.20	10	0.26	-27.69
3	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	52	57.20	-5.20	10	0.26	-20.00
4	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	40	57.20	-17.20	10	0.26	-66.15
5	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	66	57.20	8.80	11	0.26	33.85
6	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	58	57.20	0.80	11	0.26	3.08
7	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	49	57.20	-8.20	10	0.26	-31.54
8	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	39	57.20	-18.20	10	0.26	-70.00
9	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	59	57.20	1.80	11	0.26	6.92
10	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	67	57.20	9.80	11	0.26	37.69
11	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	48	57.20	-9.20	10	0.26	-35.38
12	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	65	57.20	7.80	11	0.26	30.00
13	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	43	57.20	-14.20	10	0.26	-54.62
14	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	80	57.20	22.80	12	0.26	87.69
15	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	43	57.20	-14.20	10	0.26	-54.62
16	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	37	57.20	-20.20	10	0.26	-77.69
17	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	51	57.20	-6.20	10	0.26	-23.85
18	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	47	57.20	-10.20	10	0.26	-39.23

REMOVABLE FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Removable Alpha Free Release Limit 20 dpm/100cm², average

Removable Beta/Gamma Free Release Limit 1,000 dpm/100cm², average

Smear #	Equip ID	Smear Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma \beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
19	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	56	57.20	-1.20	11	0.26	-4.62
20	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	54	57.20	-3.20	11	0.26	-12.31
21	TC1	12/3/2013	1	1	2	0.23	1.77	1.49	0.35	5.06	60	57.20	2.80	11	0.26	10.77
22	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	42	57.20	-15.20	10	0.26	-58.46
23	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	53	57.20	-4.20	10	0.26	-16.15
24	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	68	57.20	10.80	11	0.26	41.54
25	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	55	57.20	-2.20	11	0.26	-8.46
26	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	60	57.20	2.80	11	0.26	10.77
27	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	50	57.20	-7.20	10	0.26	-27.69
28	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	63	57.20	5.80	11	0.26	22.31
29	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	57	57.20	-0.20	11	0.26	-0.77
30	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	56	57.20	-1.20	11	0.26	-4.62
31	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	50	57.20	-7.20	10	0.26	-27.69
32	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	62	57.20	4.80	11	0.26	18.46
33	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	58	57.20	0.80	11	0.26	3.08
34	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	40	57.20	-17.20	10	0.26	-66.15
35	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	56	57.20	-1.20	11	0.26	-4.62
36	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	55	57.20	-2.20	11	0.26	-8.46
37	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	70	57.20	12.80	11	0.26	49.23
38	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	60	57.20	2.80	11	0.26	10.77
39	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	68	57.20	10.80	11	0.26	41.54
40	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	66	57.20	8.80	11	0.26	33.85
41	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	53	57.20	-4.20	10	0.26	-16.15
42	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	68	57.20	10.80	11	0.26	41.54
43	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	56	57.20	-1.20	11	0.26	-4.62
44	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	58	57.20	0.80	11	0.26	3.08
45	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	55	57.20	-2.20	11	0.26	-8.46
46	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	49	57.20	-8.20	10	0.26	-31.54
47	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	53	57.20	-4.20	10	0.26	-16.15
48	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	60	57.20	2.80	11	0.26	10.77
49	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	53	57.20	-4.20	10	0.26	-16.15
50	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	69	57.20	11.80	11	0.26	45.38
51	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	51	57.20	-6.20	10	0.26	-23.85
52	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	60	57.20	2.80	11	0.26	10.77
53	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	57	57.20	-0.20	11	0.26	-0.77

REMOVABLE FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Removable Alpha Free Release Limit 20 dpm/100cm2, average

Removable Beta/Gamma Free Release Limit 1,000 dpm/100cm2, average

Smear #	Equip ID	Smear Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma\beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
54	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	55	57.20	-2.20	11	0.26	-8.46
55	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	56	57.20	-1.20	11	0.26	-4.62
56	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	51	57.20	-6.20	10	0.26	-23.85
57	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	53	57.20	-4.20	10	0.26	-16.15
58	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	49	57.20	-8.20	10	0.26	-31.54
59	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	59	57.20	1.80	11	0.26	6.92
60	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	48	57.20	-9.20	10	0.26	-35.38
61	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	48	57.20	-9.20	10	0.26	-35.38
62	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	62	57.20	4.80	11	0.26	18.46
63	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	58	57.20	0.80	11	0.26	3.08
64	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	68	57.20	10.80	11	0.26	41.54
65	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	44	57.20	-13.20	10	0.26	-50.77
66	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	48	57.20	-9.20	10	0.26	-35.38
67	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	43	57.20	-14.20	10	0.26	-54.62
68	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	63	57.20	5.80	11	0.26	22.31
69	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	59	57.20	1.80	11	0.26	6.92
70	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	49	57.20	-8.20	10	0.26	-31.54
71	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	52	57.20	-5.20	10	0.26	-20.00
72	TC1	12/3/2013	1	1	2	0.23	1.77	1.49	0.35	5.06	61	57.20	3.80	11	0.26	14.62
73	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	43	57.20	-14.20	10	0.26	-54.62
74	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	48	57.20	-9.20	10	0.26	-35.38
75	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	36	57.20	-21.20	10	0.26	-81.54
76	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	55	57.20	-2.20	11	0.26	-8.46
77	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	55	57.20	-2.20	11	0.26	-8.46
78	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	52	57.20	-5.20	10	0.26	-20.00
79	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	62	57.20	4.80	11	0.26	18.46
80	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	61	57.20	3.80	11	0.26	14.62
81	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	65	57.20	7.80	11	0.26	30.00
82	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	60	57.20	2.80	11	0.26	10.77
83	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	47	57.20	-10.20	10	0.26	-39.23
84	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	45	57.20	-12.20	10	0.26	-46.92
85	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	52	57.20	-5.20	10	0.26	-20.00
86	TC1	12/3/2013	1	1	2	0.23	1.77	1.49	0.35	5.06	57	57.20	-0.20	11	0.26	-0.77
87	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	46	57.20	-11.20	10	0.26	-43.08
88	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	47	57.20	-10.20	10	0.26	-39.23

REMOVABLE FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Removable Alpha Free Release Limit 20 dpm/100cm², average

Removable Beta/Gamma Free Release Limit 1,000 dpm/100cm², average

Smear #	Equip ID	Smear Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma\beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
89	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	62	57.20	4.80	11	0.26	18.46
90	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	53	57.20	-4.20	10	0.26	-16.15
91	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	64	57.20	6.80	11	0.26	26.15
92	TC1	12/3/2013	1	1	1	0.23	0.77	1.11	0.35	2.20	60	57.20	2.80	11	0.26	10.77
93	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	64	57.20	6.80	11	0.26	26.15
94	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	65	57.20	7.80	11	0.26	30.00
95	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	58	57.20	0.80	11	0.26	3.08
96	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	46	57.20	-11.20	10	0.26	-43.08
97	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	55	57.20	-2.20	11	0.26	-8.46
98	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	52	57.20	-5.20	10	0.26	-20.00
99	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	79	57.20	21.80	12	0.26	83.85
100	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	54	57.20	-3.20	11	0.26	-12.31
101	TC1	12/3/2013	1	1	0	0.23	-0.23	0.48	0.35	-0.66	46	57.20	-11.20	10	0.26	-43.08
1	Frontz Flat Bed	1/13/2014	1	1	1	0.22	0.78	1.10	0.35	2.23	56	55.75	0.25	11	0.26	0.96
2	Frontz Flat Bed	1/13/2014	1	1	0	0.22	-0.22	0.47	0.35	-0.63	50	55.75	-5.75	10	0.26	-22.12
3	Frontz Flat Bed	1/13/2014	1	1	0	0.22	-0.22	0.47	0.35	-0.63	55	55.75	-0.75	11	0.26	-2.88
4	Frontz Flat Bed	1/13/2014	1	1	0	0.22	-0.22	0.47	0.35	-0.63	57	55.75	1.25	11	0.26	4.81
5	Frontz Flat Bed	1/13/2014	1	1	1	0.22	0.78	1.10	0.35	2.23	49	55.75	-6.75	10	0.26	-25.96
1	Frontz Drill Rig	1/13/2014	1	1	1	0.22	0.78	1.10	0.35	2.23	44	55.75	-11.75	10	0.26	-45.19
2	Frontz Drill Rig	1/13/2014	1	1	0	0.22	-0.22	0.47	0.35	-0.63	51	55.75	-4.75	10	0.26	-18.27
3	Frontz Drill Rig	1/13/2014	1	1	1	0.22	0.78	1.10	0.35	2.23	59	55.75	3.25	11	0.26	12.50
4	Frontz Drill Rig	1/13/2014	1	1	0	0.22	-0.22	0.47	0.35	-0.63	42	55.75	-13.75	10	0.26	-52.88
5	Frontz Drill Rig	1/13/2014	1	1	0	0.22	-0.22	0.47	0.35	-0.63	66	55.75	10.25	11	0.26	39.42
6	Frontz Drill Rig	1/13/2014	1	1	0	0.22	-0.22	0.47	0.35	-0.63	57	55.75	1.25	11	0.26	4.81
7	Frontz Drill Rig	1/13/2014	1	1	0	0.22	-0.22	0.47	0.35	-0.63	58	55.75	2.25	11	0.26	8.65
8	Frontz Drill Rig	1/13/2014	1	1	1	0.22	0.78	1.10	0.35	2.23	60	55.75	4.25	11	0.26	16.35
9	Frontz Drill Rig	1/13/2014	1	1	0	0.22	-0.22	0.47	0.35	-0.63	49	55.75	-6.75	10	0.26	-25.96
10	Frontz Drill Rig	1/13/2014	1	1	0	0.22	-0.22	0.47	0.35	-0.63	51	55.75	-4.75	10	0.26	-18.27
11	Frontz Drill Rig	1/13/2014	1	1	0	0.22	-0.22	0.47	0.35	-0.63	61	55.75	5.25	11	0.26	20.19
12	Frontz Drill Rig	1/13/2014	1	1	0	0.22	-0.22	0.47	0.35	-0.63	57	55.75	1.25	11	0.26	4.81
1	Drill Rods	1/13/2014	1	1	0	0.22	-0.22	0.47	0.35	-0.63	47	55.75	-8.75	10	0.26	-33.65
2	Drill Rods	1/13/2014	1	1	0	0.22	-0.22	0.47	0.35	-0.63	66	55.75	10.25	11	0.26	39.42
3	Drill Rods	1/13/2014	1	1	0	0.22	-0.22	0.47	0.35	-0.63	57	55.75	1.25	11	0.26	4.81
4	Drill Rods	1/13/2014	1	1	0	0.22	-0.22	0.47	0.35	-0.63	53	55.75	-2.75	10	0.26	-10.58
5	Drill Rods	1/13/2014	1	1	0	0.22	-0.22	0.47	0.35	-0.63	55	55.75	-0.75	11	0.26	-2.88

REMOVABLE FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Removable Alpha Free Release Limit 20 dpm/100cm², average

Removable Beta/Gamma Free Release Limit 1,000 dpm/100cm², average

Smear #	Equip ID	Smear Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma\beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
1	Conex Box	1/14/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	63	54.33	8.67	11	0.26	33.35
2	Conex Box	1/14/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	55	54.33	0.67	10	0.26	2.58
3	Conex Box	1/14/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	54	54.33	-0.33	10	0.26	-1.27
4	Conex Box	1/14/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	62	54.33	7.67	11	0.26	29.50
5	Conex Box	1/14/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	52	54.33	-2.33	10	0.26	-8.96
1	Skidsteer	1/14/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	49	54.33	-5.33	10	0.26	-20.50
2	Skidsteer	1/14/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	53	54.33	-1.33	10	0.26	-5.12
3	Skidsteer	1/14/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	61	54.33	6.67	11	0.26	25.65
4	Skidsteer	1/14/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	50	54.33	-4.33	10	0.26	-16.65
5	Skidsteer	1/14/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	67	54.33	12.67	11	0.26	48.73
1	Service Truck	1/14/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	67	54.33	12.67	11	0.26	48.73
2	Service Truck	1/14/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	53	54.33	-1.33	10	0.26	-5.12
3	Service Truck	1/14/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	51	54.33	-3.33	10	0.26	-12.81
4	Service Truck	1/14/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	56	54.33	1.67	11	0.26	6.42
5	Service Truck	1/14/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	51	54.33	-3.33	10	0.26	-12.81
1	Conex Box #2	1/15/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	45	53.68	-8.68	10	0.26	-33.38
2	Conex Box #2	1/15/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	57	53.68	3.32	11	0.26	12.77
3	Conex Box #2	1/15/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	50	53.68	-3.68	10	0.26	-14.15
4	Conex Box #2	1/15/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	63	53.68	9.32	11	0.26	35.85
5	Conex Box #2	1/15/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	35	53.68	-18.68	9	0.26	-71.85
1	Dump Truck	1/16/2014	1	1	0	0.27	-0.27	0.52	0.35	-0.77	40	56.30	-16.30	10	0.26	-62.69
2	Dump Truck	1/16/2014	1	1	0	0.27	-0.27	0.52	0.35	-0.77	55	56.30	-1.30	11	0.26	-5.00
3	Dump Truck	1/16/2014	1	1	0	0.27	-0.27	0.52	0.35	-0.77	56	56.30	-0.30	11	0.26	-1.15
4	Dump Truck	1/16/2014	1	1	0	0.27	-0.27	0.52	0.35	-0.77	55	56.30	-1.30	11	0.26	-5.00
5	Dump Truck	1/16/2014	1	1	0	0.27	-0.27	0.52	0.35	-0.77	42	56.30	-14.30	10	0.26	-55.00
6	Dump Truck	1/16/2014	1	1	0	0.27	-0.27	0.52	0.35	-0.77	56	56.30	-0.30	11	0.26	-1.15
7	Dump Truck	1/16/2014	1	1	1	0.27	0.73	1.13	0.35	2.09	46	56.30	-10.30	10	0.26	-39.62
1	Frontz Service Truck	1/18/2014	1	1	0	0.27	-0.27	0.52	0.35	-0.77	61	54.20	6.80	11	0.26	26.15
2	Frontz Service Truck	1/18/2014	1	1	0	0.27	-0.27	0.52	0.35	-0.77	43	54.20	-11.20	10	0.26	-43.08
3	Frontz Service Truck	1/18/2014	1	1	0	0.27	-0.27	0.52	0.35	-0.77	50	54.20	-4.20	10	0.26	-16.15
4	Frontz Service Truck	1/18/2014	1	1	0	0.27	-0.27	0.52	0.35	-0.77	59	54.20	4.80	11	0.26	18.46
5	Frontz Service Truck	1/18/2014	1	1	0	0.27	-0.27	0.52	0.35	-0.77	62	54.20	7.80	11	0.26	30.00
6	Frontz Service Truck	1/18/2014	1	1	0	0.27	-0.27	0.52	0.35	-0.77	40	54.20	-14.20	10	0.26	-54.62
7	Frontz Service Truck	1/18/2014	1	1	1	0.27	0.73	1.13	0.35	2.09	47	54.20	-7.20	10	0.26	-27.69
8	Frontz Service Truck	1/18/2014	1	1	0	0.27	-0.27	0.52	0.35	-0.77	65	54.20	10.80	11	0.26	41.54

REMOVABLE FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Removable Alpha Free Release Limit 20 dpm/100cm², average

Removable Beta/Gamma Free Release Limit 1,000 dpm/100cm², average

Smear #	Equip ID	Smear Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma\beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
1	Dump Truck	1/18/2014	1	1	2	0.27	1.73	1.51	0.35	4.94	57	54.20	2.80	11	0.26	10.77
2	Dump Truck	1/18/2014	1	1	0	0.27	-0.27	0.52	0.35	-0.77	55	54.20	0.80	10	0.26	3.08
3	Dump Truck	1/18/2014	1	1	0	0.27	-0.27	0.52	0.35	-0.77	49	54.20	-5.20	10	0.26	-20.00
4	Dump Truck	1/18/2014	1	1	0	0.27	-0.27	0.52	0.35	-0.77	48	54.20	-6.20	10	0.26	-23.85
5	Dump Truck	1/18/2014	1	1	0	0.27	-0.27	0.52	0.35	-0.77	47	54.20	-7.20	10	0.26	-27.69
6	Dump Truck	1/18/2014	1	1	1	0.27	0.73	1.13	0.35	2.09	54	54.20	-0.20	10	0.26	-0.77
1	Conetec Rig	1/29/2014	1	1	2	0.22	1.78	1.49	0.35	5.09	52	52.80	-0.80	10	0.26	-3.08
2	Conetec Rig	1/29/2014	1	1	1	0.22	0.78	1.10	0.35	2.23	54	52.80	1.20	10	0.26	4.62
3	Conetec Rig	1/29/2014	1	1	0	0.22	-0.22	0.47	0.35	-0.63	49	52.80	-3.80	10	0.26	-14.62
4	Conetec Rig	1/29/2014	1	1	0	0.22	-0.22	0.47	0.35	-0.63	60	52.80	7.20	11	0.26	27.69
5	Conetec Rig	1/29/2014	1	1	0	0.22	-0.22	0.47	0.35	-0.63	57	52.80	4.20	10	0.26	16.15
6	Conetec Rig	1/29/2014	1	1	0	0.22	-0.22	0.47	0.35	-0.63	66	52.80	13.20	11	0.26	50.77
7	Conetec Rig	1/29/2014	1	1	0	0.22	-0.22	0.47	0.35	-0.63	47	52.80	-5.80	10	0.26	-22.31
8	Conetec Rig	1/29/2014	1	1	0	0.22	-0.22	0.47	0.35	-0.63	61	52.80	8.20	11	0.26	31.54
9	Conetec Rig	1/29/2014	1	1	0	0.22	-0.22	0.47	0.35	-0.63	56	52.80	3.20	10	0.26	12.31
10	Conetec Rig	1/29/2014	1	1	0	0.22	-0.22	0.47	0.35	-0.63	57	52.80	4.20	10	0.26	16.15
1	Frak Tank	1/31/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	52	52.53	-0.53	10	0.26	-2.04
2	Frak Tank	1/31/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	47	52.53	-5.53	10	0.26	-21.27
3	Frak Tank	1/31/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	49	52.53	-3.53	10	0.26	-13.58
4	Frak Tank	1/31/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	56	52.53	3.47	10	0.26	13.35
5	Frak Tank	1/31/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	36	52.53	-16.53	9	0.26	-63.58
6	Frak Tank	1/31/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	45	52.53	-7.53	10	0.26	-28.96
7	Frak Tank	1/31/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	54	52.53	1.47	10	0.26	5.65
1	Skidsteer	2/7/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	53	53.00	0.00	10	0.26	0.00
2	Skidsteer	2/7/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	61	53.00	8.00	11	0.26	30.77
3	Skidsteer	2/7/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	47	53.00	-6.00	10	0.26	-23.08
4	Skidsteer	2/7/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	62	53.00	9.00	11	0.26	34.62
5	Skidsteer	2/7/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	45	53.00	-8.00	10	0.26	-30.77
6	Skidsteer	2/7/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	60	53.00	7.00	11	0.26	26.92
7	Skidsteer	2/7/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	46	53.00	-7.00	10	0.26	-26.92
8	Skidsteer	2/7/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	44	53.00	-9.00	10	0.26	-34.62
1	Conetec Rig	2/7/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	54	53.00	1.00	10	0.26	3.85
2	Conetec Rig	2/7/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	52	53.00	-1.00	10	0.26	-3.85
3	Conetec Rig	2/7/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	50	53.00	-3.00	10	0.26	-11.54
4	Conetec Rig	2/7/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	56	53.00	3.00	10	0.26	11.54

REMOVABLE FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Removable Alpha Free Release Limit 20 dpm/100cm2, average

Removable Beta/Gamma Free Release Limit 1,000 dpm/100cm2, average

Smear #	Equip ID	Smear Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma\beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
5	Conetec Rig	2/7/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	46	53.00	-7.00	10	0.26	-26.92
6	Conetec Rig	2/7/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	40	53.00	-13.00	10	0.26	-50.00
7	Conetec Rig	2/7/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	62	53.00	9.00	11	0.26	34.62
8	Conetec Rig	2/7/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	52	53.00	-1.00	10	0.26	-3.85
9	Conetec Rig	2/7/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	40	53.00	-13.00	10	0.26	-50.00
10	Conetec Rig	2/7/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	56	53.00	3.00	10	0.26	11.54
11	Conetec Rig	2/7/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	53	53.00	0.00	10	0.26	0.00
12	Conetec Rig	2/7/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	58	53.00	5.00	11	0.26	19.23
13	Conetec Rig	2/7/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	50	53.00	-3.00	10	0.26	-11.54
14	Conetec Rig	2/7/2014	1	1	2	0.25	1.75	1.50	0.35	5.00	46	53.00	-7.00	10	0.26	-26.92
15	Conetec Rig	2/7/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	57	53.00	4.00	10	0.26	15.38
16	Conetec Rig	2/7/2014	1	1	2	0.25	1.75	1.50	0.35	5.00	64	53.00	11.00	11	0.26	42.31
17	Conetec Rig	2/7/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	57	53.00	4.00	10	0.26	15.38
18	Conetec Rig	2/7/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	68	53.00	15.00	11	0.26	57.69
19	Conetec Rig	2/7/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	62	53.00	9.00	11	0.26	34.62
20	Conetec Rig	2/7/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	46	53.00	-7.00	10	0.26	-26.92
21	Conetec Rig	2/7/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	57	53.00	4.00	10	0.26	15.38
22	Conetec Rig	2/7/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	48	53.00	-5.00	10	0.26	-19.23
23	Conetec Rig	2/7/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	48	53.00	-5.00	10	0.26	-19.23
24	Conetec Rig	2/7/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	56	53.00	3.00	10	0.26	11.54
1	Conetec Rig #2	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	43	61.08	-18.08	10	0.26	-69.54
2	Conetec Rig #2	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	53	61.08	-8.08	11	0.26	-31.08
3	Conetec Rig #2	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	52	61.08	-9.08	11	0.26	-34.92
4	Conetec Rig #2	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	56	61.08	-5.08	11	0.26	-19.54
5	Conetec Rig #2	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	56	61.08	-5.08	11	0.26	-19.54
6	Conetec Rig #2	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	52	61.08	-9.08	11	0.26	-34.92
7	Conetec Rig #2	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	60	61.08	-1.08	11	0.26	-4.15
8	Conetec Rig #2	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	55	61.08	-6.08	11	0.26	-23.38
9	Conetec Rig #2	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	59	61.08	-2.08	11	0.26	-8.00
10	Conetec Rig #2	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	49	61.08	-12.08	10	0.26	-46.46
11	Conetec Rig #2	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	42	61.08	-19.08	10	0.26	-73.38
12	Conetec Rig #2	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	52	61.08	-9.08	11	0.26	-34.92
13	Conetec Rig #2	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	42	61.08	-19.08	10	0.26	-73.38
14	Conetec Rig #2	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	66	61.08	4.92	11	0.26	18.92
15	Conetec Rig #2	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	72	61.08	10.92	12	0.26	42.00

REMOVABLE FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Removable Alpha Free Release Limit 20 dpm/100cm2, average

Removable Beta/Gamma Free Release Limit 1,000 dpm/100cm2, average

Smear #	Equip ID	Smear Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma\beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
16	Conetec Rig #2	2/20/2014	1	1	1	0.33	0.67	1.15	0.35	1.91	77	61.08	15.92	12	0.26	61.23
17	Conetec Rig #2	2/20/2014	1	1	1	0.33	0.67	1.15	0.35	1.91	47	61.08	-14.08	10	0.26	-54.15
18	Conetec Rig #2	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	58	61.08	-3.08	11	0.26	-11.85
19	Conetec Rig #2	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	56	61.08	-5.08	11	0.26	-19.54
20	Conetec Rig #2	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	75	61.08	13.92	12	0.26	53.54
21	Conetec Rig #2	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	46	61.08	-15.08	10	0.26	-58.00
22	Conetec Rig #2	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	36	61.08	-25.08	10	0.26	-96.46
23	Conetec Rig #2	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	61	61.08	-0.08	11	0.26	-0.31
24	Conetec Rig #2	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	66	61.08	4.92	11	0.26	18.92
25	Conetec Rig #2	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	67	61.08	5.92	11	0.26	22.77
1	Skidsteer	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	57	61.08	-4.08	11	0.26	-15.69
2	Skidsteer	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	41	61.08	-20.08	10	0.26	-77.23
3	Skidsteer	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	59	61.08	-2.08	11	0.26	-8.00
4	Skidsteer	2/20/2014	1	1	0	0.33	-0.33	0.57	0.35	-0.94	51	61.08	-10.08	11	0.26	-38.77
5	Skidsteer	2/20/2014	1	1	1	0.33	0.67	1.15	0.35	1.91	49	61.08	-12.08	10	0.26	-46.46
6	Skidsteer	2/20/2014	1	1	1	0.33	0.67	1.15	0.35	1.91	46	61.08	-15.08	10	0.26	-58.00
7	Skidsteer	2/20/2014	1	1	1	0.33	0.67	1.15	0.35	1.91	40	61.08	-21.08	10	0.26	-81.08
1	Main Trailer	2/21/2014	1	1	1	0.21	0.79	1.10	0.35	2.26	43	58.73	-15.73	10	0.26	-60.50
2	Main Trailer	2/21/2014	1	1	0	0.21	-0.21	0.46	0.35	-0.60	63	58.73	4.27	11	0.26	16.42
3	Main Trailer	2/21/2014	1	1	0	0.21	-0.21	0.46	0.35	-0.60	53	58.73	-5.73	11	0.26	-22.04
4	Main Trailer	2/21/2014	1	1	0	0.21	-0.21	0.46	0.35	-0.60	51	58.73	-7.73	10	0.26	-29.73
5	Main Trailer	2/21/2014	1	1	0	0.21	-0.21	0.46	0.35	-0.60	48	58.73	-10.73	10	0.26	-41.27
6	Main Trailer	2/21/2014	1	1	0	0.21	-0.21	0.46	0.35	-0.60	42	58.73	-16.73	10	0.26	-64.35
7	Main Trailer	2/21/2014	1	1	0	0.21	-0.21	0.46	0.35	-0.60	51	58.73	-7.73	10	0.26	-29.73
8	Main Trailer	2/21/2014	1	1	0	0.21	-0.21	0.46	0.35	-0.60	54	58.73	-4.73	11	0.26	-18.19
9	Main Trailer	2/21/2014	1	1	1	0.21	0.79	1.10	0.35	2.26	51	58.73	-7.73	10	0.26	-29.73
10	Main Trailer	2/21/2014	1	1	0	0.21	-0.21	0.46	0.35	-0.60	51	58.73	-7.73	10	0.26	-29.73
1	Conetec Grout/Bucket	2/25/2014	1	1	0	0.20	-0.20	0.45	0.35	-0.57	53	53.41	-0.41	10	0.26	-1.58
2	Conetec Grout/Bucket	2/25/2014	1	1	0	0.20	-0.20	0.45	0.35	-0.57	43	53.41	-10.41	10	0.26	-40.04
3	Conetec Grout/Bucket	2/25/2014	1	1	0	0.20	-0.20	0.45	0.35	-0.57	62	53.41	8.59	11	0.26	33.04
4	Conetec Grout/Bucket	2/25/2014	1	1	0	0.20	-0.20	0.45	0.35	-0.57	37	53.41	-16.41	10	0.26	-63.12
5	Conetec Grout/Bucket	2/25/2014	1	1	1	0.20	0.80	1.10	0.35	2.29	48	53.41	-5.41	10	0.26	-20.81
6	Conetec Grout/Bucket	2/25/2014	1	1	0	0.20	-0.20	0.45	0.35	-0.57	44	53.41	-9.41	10	0.26	-36.19
7	Conetec Grout/Bucket	2/25/2014	1	1	0	0.20	-0.20	0.45	0.35	-0.57	66	53.41	12.59	11	0.26	48.42
8	Conetec Grout/Bucket	2/25/2014	1	1	0	0.20	-0.20	0.45	0.35	-0.57	51	53.41	-2.41	10	0.26	-9.27

REMOVABLE FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Removable Alpha Free Release Limit 20 dpm/100cm2, average

Removable Beta/Gamma Free Release Limit 1,000 dpm/100cm2, average

Smear #	Equip ID	Smear Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma\beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
9	Conetec Grout/Bucket	2/25/2014	1	1	0	0.20	-0.20	0.45	0.35	-0.57	53	53.41	-0.41	10	0.26	-1.58
10	Conetec Grout/Bucket	2/25/2014	1	1	1	0.20	0.80	1.10	0.35	2.29	47	53.41	-6.41	10	0.26	-24.65
1	Frontz Skidsteer	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	53	53.76	-0.76	10	0.26	-2.92
2	Frontz Skidsteer	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	61	53.76	7.24	11	0.26	27.85
3	Frontz Skidsteer	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	52	53.76	-1.76	10	0.26	-6.77
4	Frontz Skidsteer	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	54	53.76	0.24	10	0.26	0.92
5	Frontz Skidsteer	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	59	53.76	5.24	11	0.26	20.15
6	Frontz Skidsteer	2/26/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	49	53.76	-4.76	10	0.26	-18.31
7	Frontz Skidsteer	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	48	53.76	-5.76	10	0.26	-22.15
8	Frontz Skidsteer	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	46	53.76	-7.76	10	0.26	-29.85
9	Frontz Skidsteer	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	63	53.76	9.24	11	0.26	35.54
10	Frontz Skidsteer	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	55	53.76	1.24	10	0.26	4.77
1	Frontz Flat Bed	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	44	53.76	-9.76	10	0.26	-37.54
2	Frontz Flat Bed	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	61	53.76	7.24	11	0.26	27.85
3	Frontz Flat Bed	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	36	53.76	-17.76	9	0.26	-68.31
4	Frontz Flat Bed	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	47	53.76	-6.76	10	0.26	-26.00
5	Frontz Flat Bed	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	59	53.76	5.24	11	0.26	20.15
6	Frontz Flat Bed	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	69	53.76	15.24	11	0.26	58.62
7	Frontz Flat Bed	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	60	53.76	6.24	11	0.26	24.00
8	Frontz Flat Bed	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	64	53.76	10.24	11	0.26	39.38
9	Frontz Flat Bed	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	61	53.76	7.24	11	0.26	27.85
10	Frontz Flat Bed	2/26/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	33	53.76	-20.76	9	0.26	-79.85
1	Frontz Drill Rig	2/26/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	55	53.76	1.24	10	0.26	4.77
2	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	72	53.76	18.24	11	0.26	70.15
3	Frontz Drill Rig	2/26/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	57	53.76	3.24	11	0.26	12.46
4	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	37	53.76	-16.76	10	0.26	-64.46
5	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	47	53.76	-6.76	10	0.26	-26.00
6	Frontz Drill Rig	2/26/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	51	53.76	-2.76	10	0.26	-10.62
7	Frontz Drill Rig	2/26/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	36	53.76	-17.76	9	0.26	-68.31
8	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	46	53.76	-7.76	10	0.26	-29.85
9	Frontz Drill Rig	2/26/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	47	53.76	-6.76	10	0.26	-26.00
10	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	51	53.76	-2.76	10	0.26	-10.62
11	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	55	53.76	1.24	10	0.26	4.77
12	Frontz Drill Rig	2/26/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	46	53.76	-7.76	10	0.26	-29.85
13	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	56	53.76	2.24	10	0.26	8.62

REMOVABLE FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Removable Alpha Free Release Limit 20 dpm/100cm2, average

Removable Beta/Gamma Free Release Limit 1,000 dpm/100cm2, average

Smear #	Equip ID	Smear Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma\beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
14	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	52	53.76	-1.76	10	0.26	-6.77
15	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	57	53.76	3.24	11	0.26	12.46
16	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	43	53.76	-10.76	10	0.26	-41.38
17	Frontz Drill Rig	2/26/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	57	53.76	3.24	11	0.26	12.46
18	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	51	53.76	-2.76	10	0.26	-10.62
19	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	62	53.76	8.24	11	0.26	31.69
20	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	44	53.76	-9.76	10	0.26	-37.54
21	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	43	53.76	-10.76	10	0.26	-41.38
22	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	55	53.76	1.24	10	0.26	4.77
23	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	50	53.76	-3.76	10	0.26	-14.46
24	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	53	53.76	-0.76	10	0.26	-2.92
25	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	53	53.76	-0.76	10	0.26	-2.92
26	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	42	53.76	-11.76	10	0.26	-45.23
27	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	56	53.76	2.24	10	0.26	8.62
28	Frontz Drill Rig	2/26/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	55	53.76	1.24	10	0.26	4.77
29	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	51	53.76	-2.76	10	0.26	-10.62
30	Frontz Drill Rig	2/26/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	52	53.76	-1.76	10	0.26	-6.77
31	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	52	53.76	-1.76	10	0.26	-6.77
32	Frontz Drill Rig	2/26/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	41	53.76	-12.76	10	0.26	-49.08
33	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	52	53.76	-1.76	10	0.26	-6.77
34	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	49	53.76	-4.76	10	0.26	-18.31
35	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	56	53.76	2.24	10	0.26	8.62
36	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	59	53.76	5.24	11	0.26	20.15
37	Frontz Drill Rig	2/26/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	54	53.76	0.24	10	0.26	0.92
38	Frontz Drill Rig	2/26/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	57	53.76	3.24	11	0.26	12.46
39	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	36	53.76	-17.76	9	0.26	-68.31
40	Frontz Drill Rig	2/26/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	45	53.76	-8.76	10	0.26	-33.69
41	Frontz Drill Rig	2/26/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	50	53.76	-3.76	10	0.26	-14.46
1	Geoprobe	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	53	53.50	-0.50	10	0.26	-1.92
2	Geoprobe	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	46	53.50	-7.50	10	0.26	-28.85
3	Geoprobe	3/6/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	43	53.50	-10.50	10	0.26	-40.38
4	Geoprobe	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	53	53.50	-0.50	10	0.26	-1.92
5	Geoprobe	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	49	53.50	-4.50	10	0.26	-17.31
6	Geoprobe	3/6/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	65	53.50	11.50	11	0.26	44.23
7	Geoprobe	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	55	53.50	1.50	10	0.26	5.77

REMOVABLE FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Removable Alpha Free Release Limit 20 dpm/100cm², average

Removable Beta/Gamma Free Release Limit 1,000 dpm/100cm², average

Smear #	Equip ID	Smear Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma \beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
9	Skidsteer	3/6/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	45	53.50	-8.50	10	0.26	-32.69
10	Skidsteer	3/6/2014	1	1	2	0.25	1.75	1.50	0.35	5.00	42	53.50	-11.50	10	0.26	-44.23
11	Skidsteer	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	42	53.50	-11.50	10	0.26	-44.23
12	Skidsteer	3/6/2014	1	1	2	0.25	1.75	1.50	0.35	5.00	48	53.50	-5.50	10	0.26	-21.15
1	PPE Bag 1	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	60	53.50	6.50	11	0.26	25.00
2	PPE Bag 1	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	53	53.50	-0.50	10	0.26	-1.92
3	PPE Bag 1	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	44	53.50	-9.50	10	0.26	-36.54
4	PPE Bag 1	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	41	53.50	-12.50	10	0.26	-48.08
5	PPE Bag 1	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	53	53.50	-0.50	10	0.26	-1.92
6	PPE Bag 1	3/6/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	45	53.50	-8.50	10	0.26	-32.69
7	PPE Bag 1	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	56	53.50	2.50	10	0.26	9.62
8	PPE Bag 1	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	53	53.50	-0.50	10	0.26	-1.92
9	PPE Bag 1	3/6/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	57	53.50	3.50	11	0.26	13.46
10	PPE Bag 1	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	47	53.50	-6.50	10	0.26	-25.00
11	PPE Bag 2	3/6/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	46	53.50	-7.50	10	0.26	-28.85
12	PPE Bag 2	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	52	53.50	-1.50	10	0.26	-5.77
13	PPE Bag 2	3/6/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	51	53.50	-2.50	10	0.26	-9.62
14	PPE Bag 2	3/6/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	47	53.50	-6.50	10	0.26	-25.00
15	PPE Bag 2	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	47	53.50	-6.50	10	0.26	-25.00
16	PPE Bag 2	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	51	53.50	-2.50	10	0.26	-9.62
17	PPE Bag 2	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	43	53.50	-10.50	10	0.26	-40.38
18	PPE Bag 2	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	52	53.50	-1.50	10	0.26	-5.77
19	PPE Bag 2	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	53	53.50	-0.50	10	0.26	-1.92
20	PPE Bag 2	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	67	53.50	13.50	11	0.26	51.92
21	PPE Bag 3	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	45	53.50	-8.50	10	0.26	-32.69
22	PPE Bag 3	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	60	53.50	6.50	11	0.26	25.00
23	PPE Bag 3	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	47	53.50	-6.50	10	0.26	-25.00
24	PPE Bag 3	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	38	53.50	-15.50	10	0.26	-59.62
25	PPE Bag 3	3/6/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	57	53.50	3.50	11	0.26	13.46
26	PPE Bag 3	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	49	53.50	-4.50	10	0.26	-17.31
27	PPE Bag 3	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	46	53.50	-7.50	10	0.26	-28.85
28	PPE Bag 3	3/6/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	51	53.50	-2.50	10	0.26	-9.62
29	PPE Bag 3	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	55	53.50	1.50	10	0.26	5.77
30	PPE Bag 3	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	52	53.50	-1.50	10	0.26	-5.77
31	PPE Bag 4	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	65	53.50	11.50	11	0.26	44.23

REMOVABLE FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Removable Alpha Free Release Limit 20 dpm/100cm², average

Removable Beta/Gamma Free Release Limit 1,000 dpm/100cm², average

Smear #	Equip ID	Smear Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma\beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
32	PPE Bag 4	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	50	53.50	-3.50	10	0.26	-13.46
33	PPE Bag 4	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	54	53.50	0.50	10	0.26	1.92
34	PPE Bag 4	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	63	53.50	9.50	11	0.26	36.54
35	PPE Bag 4	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	52	53.50	-1.50	10	0.26	-5.77
36	PPE Bag 4	3/6/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	54	53.50	0.50	10	0.26	1.92
37	PPE Bag 4	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	59	53.50	5.50	11	0.26	21.15
38	PPE Bag 4	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	43	53.50	-10.50	10	0.26	-40.38
39	PPE Bag 4	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	58	53.50	4.50	11	0.26	17.31
40	PPE Bag 4	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	62	53.50	8.50	11	0.26	32.69
41	PPE Bag 5	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	45	53.50	-8.50	10	0.26	-32.69
42	PPE Bag 5	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	57	53.50	3.50	11	0.26	13.46
43	PPE Bag 5	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	58	53.50	4.50	11	0.26	17.31
44	PPE Bag 5	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	57	53.50	3.50	11	0.26	13.46
45	PPE Bag 5	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	52	53.50	-1.50	10	0.26	-5.77
46	PPE Bag 5	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	46	53.50	-7.50	10	0.26	-28.85
47	PPE Bag 5	3/6/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	52	53.50	-1.50	10	0.26	-5.77
48	PPE Bag 5	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	43	53.50	-10.50	10	0.26	-40.38
49	PPE Bag 5	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	47	53.50	-6.50	10	0.26	-25.00
50	PPE Bag 5	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	57	53.50	3.50	11	0.26	13.46
51	PPE Bag 6	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	38	53.50	-15.50	10	0.26	-59.62
52	PPE Bag 6	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	53	53.50	-0.50	10	0.26	-1.92
53	PPE Bag 6	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	60	53.50	6.50	11	0.26	25.00
54	PPE Bag 6	3/6/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	58	53.50	4.50	11	0.26	17.31
55	PPE Bag 6	3/6/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	50	53.50	-3.50	10	0.26	-13.46
56	PPE Bag 6	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	47	53.50	-6.50	10	0.26	-25.00
57	PPE Bag 6	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	58	53.50	4.50	11	0.26	17.31
58	PPE Bag 6	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	34	53.50	-19.50	9	0.26	-75.00
59	PPE Bag 6	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	61	53.50	7.50	11	0.26	28.85
60	PPE Bag 6	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	38	53.50	-15.50	10	0.26	-59.62
61	PPE Bag 7	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	47	53.50	-6.50	10	0.26	-25.00
62	PPE Bag 7	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	53	53.50	-0.50	10	0.26	-1.92
63	PPE Bag 7	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	51	53.50	-2.50	10	0.26	-9.62
64	PPE Bag 7	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	64	53.50	10.50	11	0.26	40.38
65	PPE Bag 7	3/6/2014	1	1	1	0.25	0.75	1.12	0.35	2.14	54	53.50	0.50	10	0.26	1.92
66	PPE Bag 7	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	49	53.50	-4.50	10	0.26	-17.31

REMOVABLE FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Removable Alpha Free Release Limit 20 dpm/100cm2, average

Removable Beta/Gamma Free Release Limit 1,000 dpm/100cm2, average

Smear #	Equip ID	Smear Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma \beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
67	PPE Bag 7	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	47	53.50	-6.50	10	0.26	-25.00
68	PPE Bag 7	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	49	53.50	-4.50	10	0.26	-17.31
69	PPE Bag 7	3/6/2014	1	1	0	0.25	-0.25	0.50	0.35	-0.71	51	53.50	-2.50	10	0.26	-9.62
70	PPE Bag 7	3/6/2014	1	1	2	0.25	1.75	1.50	0.35	5.00	52	53.50	-1.50	10	0.26	-5.77
1	Water Knife Container	3/12/2014	1	1	0	0.40	-0.40	0.63	0.35	-1.14	50	57.00	-7.00	10	0.26	-26.92
2	Water Knife Container	3/12/2014	1	1	1	0.40	0.60	1.18	0.35	1.71	54	57.00	-3.00	11	0.26	-11.54
1	Water Knife Hose	3/12/2014	1	1	0	0.40	-0.40	0.63	0.35	-1.14	53	57.00	-4.00	10	0.26	-15.38
2	Water Knife Hose	3/12/2014	1	1	1	0.40	0.60	1.18	0.35	1.71	56	57.00	-1.00	11	0.26	-3.85
1	Geoprobe 8040	3/13/2014	1	1	0	0.30	-0.30	0.55	0.35	-0.86	61	53.00	8.00	11	0.26	30.77
2	Geoprobe 8040	3/13/2014	1	1	0	0.30	-0.30	0.55	0.35	-0.86	48	53.00	-5.00	10	0.26	-19.23
3	Geoprobe 8040	3/13/2014	1	1	1	0.30	0.70	1.14	0.35	2.00	45	53.00	-8.00	10	0.26	-30.77
4	Geoprobe 8040	3/13/2014	1	1	0	0.30	-0.30	0.55	0.35	-0.86	46	53.00	-7.00	10	0.26	-26.92
5	Geoprobe 8040	3/13/2014	1	1	0	0.30	-0.30	0.55	0.35	-0.86	45	53.00	-8.00	10	0.26	-30.77
6	Geoprobe 8040	3/13/2014	1	1	0	0.30	-0.30	0.55	0.35	-0.86	51	53.00	-2.00	10	0.26	-7.69
7	Geoprobe 8040	3/13/2014	1	1	0	0.30	-0.30	0.55	0.35	-0.86	57	53.00	4.00	10	0.26	15.38
8	Geoprobe 8040	3/13/2014	1	1	1	0.30	0.70	1.14	0.35	2.00	48	53.00	-5.00	10	0.26	-19.23
9	Geoprobe 8040	3/13/2014	1	1	0	0.30	-0.30	0.55	0.35	-0.86	46	53.00	-7.00	10	0.26	-26.92
10	Geoprobe 8040	3/13/2014	1	1	0	0.30	-0.30	0.55	0.35	-0.86	53	53.00	0.00	10	0.26	0.00
11	Geoprobe 8040	3/13/2014	1	1	0	0.30	-0.30	0.55	0.35	-0.86	49	53.00	-4.00	10	0.26	-15.38
12	Geoprobe 8040	3/13/2014	1	1	0	0.30	-0.30	0.55	0.35	-0.86	46	53.00	-7.00	10	0.26	-26.92
13	Geoprobe 8040	3/13/2014	1	1	0	0.30	-0.30	0.55	0.35	-0.86	55	53.00	2.00	10	0.26	7.69
14	Geoprobe 8040	3/13/2014	1	1	0	0.30	-0.30	0.55	0.35	-0.86	63	53.00	10.00	11	0.26	38.46
15	Geoprobe 8040	3/13/2014	1	1	0	0.30	-0.30	0.55	0.35	-0.86	48	53.00	-5.00	10	0.26	-19.23
16	Geoprobe 8040	3/13/2014	1	1	0	0.30	-0.30	0.55	0.35	-0.86	55	53.00	2.00	10	0.26	7.69
17	Geoprobe 8040	3/13/2014	1	1	1	0.30	0.70	1.14	0.35	2.00	52	53.00	-1.00	10	0.26	-3.85
18	Geoprobe 8040	3/13/2014	1	1	0	0.30	-0.30	0.55	0.35	-0.86	65	53.00	12.00	11	0.26	46.15
19	Geoprobe 8040	3/13/2014	1	1	1	0.30	0.70	1.14	0.35	2.00	67	53.00	14.00	11	0.26	53.85
20	Geoprobe 8040	3/13/2014	1	1	0	0.30	-0.30	0.55	0.35	-0.86	58	53.00	5.00	11	0.26	19.23
21	Geoprobe 8040	3/13/2014	1	1	0	0.30	-0.30	0.55	0.35	-0.86	54	53.00	1.00	10	0.26	3.85
22	Geoprobe 8040	3/13/2014	1	1	0	0.30	-0.30	0.55	0.35	-0.86	56	53.00	3.00	10	0.26	11.54
1	Skidsteer T190	3/13/2014	1	1	0	0.30	-0.30	0.55	0.35	-0.86	51	53.00	-2.00	10	0.26	-7.69
2	Skidsteer T190	3/13/2014	1	1	0	0.30	-0.30	0.55	0.35	-0.86	58	53.00	5.00	11	0.26	19.23
3	Skidsteer T190	3/13/2014	1	1	0	0.30	-0.30	0.55	0.35	-0.86	52	53.00	-1.00	10	0.26	-3.85
4	Skidsteer T190	3/13/2014	1	1	1	0.30	0.70	1.14	0.35	2.00	63	53.00	10.00	11	0.26	38.46
5	Skidsteer T190	3/13/2014	1	1	1	0.30	0.70	1.14	0.35	2.00	59	53.00	6.00	11	0.26	23.08

REMOVABLE FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Removable Alpha Free Release Limit 20 dpm/100cm2, average

Removable Beta/Gamma Free Release Limit 1,000 dpm/100cm2, average

Smear #	Equip ID	Smear Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma\beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
6	Skidsteer T190	3/13/2014	1	1	0	0.30	-0.30	0.55	0.35	-0.86	53	53.00	0.00	10	0.26	0.00
7	Skidsteer T190	3/13/2014	1	1	0	0.30	-0.30	0.55	0.35	-0.86	46	53.00	-7.00	10	0.26	-26.92
8	Skidsteer T190	3/13/2014	1	1	0	0.30	-0.30	0.55	0.35	-0.86	41	53.00	-12.00	10	0.26	-46.15
1	PPE Bag 1	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	54	53.00	1.00	10	0.26	3.85
2	PPE Bag 1	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	66	53.00	13.00	11	0.26	50.00
3	PPE Bag 1	3/17/2014	1	1	1	0.23	0.77	1.11	0.35	2.20	69	53.00	16.00	11	0.26	61.54
4	PPE Bag 1	3/17/2014	1	1	2	0.23	1.77	1.49	0.35	5.06	56	53.00	3.00	10	0.26	11.54
5	PPE Bag 1	3/17/2014	1	1	1	0.23	0.77	1.11	0.35	2.20	58	53.00	5.00	11	0.26	19.23
6	PPE Bag 1	3/17/2014	1	1	1	0.23	0.77	1.11	0.35	2.20	44	53.00	-9.00	10	0.26	-34.62
7	PPE Bag 1	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	49	53.00	-4.00	10	0.26	-15.38
8	PPE Bag 1	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	67	53.00	14.00	11	0.26	53.85
9	PPE Bag 1	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	58	53.00	5.00	11	0.26	19.23
10	PPE Bag 1	3/17/2014	1	1	1	0.23	0.77	1.11	0.35	2.20	57	53.00	4.00	10	0.26	15.38
11	PPE Bag 2	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	46	53.00	-7.00	10	0.26	-26.92
12	PPE Bag 2	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	69	53.00	16.00	11	0.26	61.54
13	PPE Bag 2	3/17/2014	1	1	2	0.23	1.77	1.49	0.35	5.06	61	53.00	8.00	11	0.26	30.77
14	PPE Bag 2	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	52	53.00	-1.00	10	0.26	-3.85
15	PPE Bag 2	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	66	53.00	13.00	11	0.26	50.00
16	PPE Bag 2	3/17/2014	1	1	1	0.23	0.77	1.11	0.35	2.20	58	53.00	5.00	11	0.26	19.23
17	PPE Bag 2	3/17/2014	1	1	2	0.23	1.77	1.49	0.35	5.06	54	53.00	1.00	10	0.26	3.85
18	PPE Bag 2	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	49	53.00	-4.00	10	0.26	-15.38
19	PPE Bag 2	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	60	53.00	7.00	11	0.26	26.92
20	PPE Bag 2	3/17/2014	1	1	1	0.23	0.77	1.11	0.35	2.20	58	53.00	5.00	11	0.26	19.23
21	PPE Bag 3	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	66	53.00	13.00	11	0.26	50.00
22	PPE Bag 3	3/17/2014	1	1	2	0.23	1.77	1.49	0.35	5.06	63	53.00	10.00	11	0.26	38.46
23	PPE Bag 3	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	48	53.00	-5.00	10	0.26	-19.23
24	PPE Bag 3	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	54	53.00	1.00	10	0.26	3.85
25	PPE Bag 3	3/17/2014	1	1	1	0.23	0.77	1.11	0.35	2.20	57	53.00	4.00	10	0.26	15.38
26	PPE Bag 3	3/17/2014	1	1	1	0.23	0.77	1.11	0.35	2.20	68	53.00	15.00	11	0.26	57.69
27	PPE Bag 3	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	62	53.00	9.00	11	0.26	34.62
28	PPE Bag 3	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	47	53.00	-6.00	10	0.26	-23.08
29	PPE Bag 3	3/17/2014	1	1	1	0.23	0.77	1.11	0.35	2.20	48	53.00	-5.00	10	0.26	-19.23
30	PPE Bag 3	3/17/2014	1	1	1	0.23	0.77	1.11	0.35	2.20	55	53.00	2.00	10	0.26	7.69
31	PPE Bag 4	3/17/2014	1	1	1	0.23	0.77	1.11	0.35	2.20	59	53.00	6.00	11	0.26	23.08
32	PPE Bag 4	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	64	53.00	11.00	11	0.26	42.31

REMOVABLE FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Removable Alpha Free Release Limit 20 dpm/100cm2, average

Removable Beta/Gamma Free Release Limit 1,000 dpm/100cm2, average

Smear #	Equip ID	Smear Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma\beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
33	PPE Bag 4	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	66	53.00	13.00	11	0.26	50.00
34	PPE Bag 4	3/17/2014	1	1	1	0.23	0.77	1.11	0.35	2.20	57	53.00	4.00	10	0.26	15.38
35	PPE Bag 4	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	58	53.00	5.00	11	0.26	19.23
36	PPE Bag 4	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	49	53.00	-4.00	10	0.26	-15.38
37	PPE Bag 4	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	50	53.00	-3.00	10	0.26	-11.54
38	PPE Bag 4	3/17/2014	1	1	1	0.23	0.77	1.11	0.35	2.20	64	53.00	11.00	11	0.26	42.31
39	PPE Bag 4	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	57	53.00	4.00	10	0.26	15.38
40	PPE Bag 4	3/17/2014	1	1	2	0.23	1.77	1.49	0.35	5.06	59	53.00	6.00	11	0.26	23.08
41	PPE Bag 5	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	44	53.00	-9.00	10	0.26	-34.62
42	PPE Bag 5	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	48	53.00	-5.00	10	0.26	-19.23
43	PPE Bag 5	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	66	53.00	13.00	11	0.26	50.00
44	PPE Bag 5	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	55	53.00	2.00	10	0.26	7.69
45	PPE Bag 5	3/17/2014	1	1	1	0.23	0.77	1.11	0.35	2.20	47	53.00	-6.00	10	0.26	-23.08
46	PPE Bag 5	3/17/2014	1	1	1	0.23	0.77	1.11	0.35	2.20	59	53.00	6.00	11	0.26	23.08
47	PPE Bag 5	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	67	53.00	14.00	11	0.26	53.85
48	PPE Bag 5	3/17/2014	1	1	1	0.23	0.77	1.11	0.35	2.20	62	53.00	9.00	11	0.26	34.62
49	PPE Bag 5	3/17/2014	1	1	1	0.23	0.77	1.11	0.35	2.20	47	53.00	-6.00	10	0.26	-23.08
50	PPE Bag 5	3/17/2014	1	1	0	0.23	-0.23	0.48	0.35	-0.66	58	53.00	5.00	11	0.26	19.23
1	Decon Pad Liner	3/21/2014	1	1	0	0.40	-0.40	0.63	0.35	-1.14	51	56.00	-5.00	10	0.26	-19.23
2	Decon Pad Liner	3/21/2014	1	1	0	0.40	-0.40	0.63	0.35	-1.14	58	56.00	2.00	11	0.26	7.69
3	Decon Pad Liner	3/21/2014	1	1	0	0.40	-0.40	0.63	0.35	-1.14	47	56.00	-9.00	10	0.26	-34.62
4	Decon Pad Liner	3/21/2014	1	1	2	0.40	1.60	1.55	0.35	4.57	41	56.00	-15.00	10	0.26	-57.69
5	Decon Pad Liner	3/21/2014	1	1	0	0.40	-0.40	0.63	0.35	-1.14	65	56.00	9.00	11	0.26	34.62
6	Decon Pad Liner	3/21/2014	1	1	0	0.40	-0.40	0.63	0.35	-1.14	58	56.00	2.00	11	0.26	7.69
7	Decon Pad Liner	3/21/2014	1	1	1	0.40	0.60	1.18	0.35	1.71	39	56.00	-17.00	10	0.26	-65.38
8	Decon Pad Liner	3/21/2014	1	1	0	0.40	-0.40	0.63	0.35	-1.14	43	56.00	-13.00	10	0.26	-50.00
9	Decon Pad Liner	3/21/2014	1	1	0	0.40	-0.40	0.63	0.35	-1.14	54	56.00	-2.00	10	0.26	-7.69
10	Decon Pad Liner	3/21/2014	1	1	1	0.40	0.60	1.18	0.35	1.71	49	56.00	-7.00	10	0.26	-26.92
11	Decon Pad Liner	3/21/2014	1	1	0	0.40	-0.40	0.63	0.35	-1.14	51	56.00	-5.00	10	0.26	-19.23
12	Decon Pad Liner	3/21/2014	1	1	0	0.40	-0.40	0.63	0.35	-1.14	52	56.00	-4.00	10	0.26	-15.38
13	Decon Pad Liner	3/21/2014	1	1	0	0.40	-0.40	0.63	0.35	-1.14	49	56.00	-7.00	10	0.26	-26.92
14	Decon Pad Liner	3/21/2014	1	1	0	0.40	-0.40	0.63	0.35	-1.14	62	56.00	6.00	11	0.26	23.08
15	Decon Pad Liner	3/21/2014	1	1	0	0.40	-0.40	0.63	0.35	-1.14	50	56.00	-6.00	10	0.26	-23.08
16	Decon Pad Liner	3/21/2014	1	1	0	0.40	-0.40	0.63	0.35	-1.14	48	56.00	-8.00	10	0.26	-30.77
17	Decon Pad Liner	3/21/2014	1	1	1	0.40	0.60	1.18	0.35	1.71	51	56.00	-5.00	10	0.26	-19.23

REMOVABLE FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Removable Alpha Free Release Limit 20 dpm/100cm², average

Removable Beta/Gamma Free Release Limit 1,000 dpm/100cm², average

Smear #	Equip ID	Smear Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma\beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
18	Decon Pad Liner	3/21/2014	1	1	1	0.40	0.60	1.18	0.35	1.71	50	56.00	-6.00	10	0.26	-23.08
19	Decon Pad Liner	3/21/2014	1	1	0	0.40	-0.40	0.63	0.35	-1.14	43	56.00	-13.00	10	0.26	-50.00
20	Decon Pad Liner	3/21/2014	1	1	1	0.40	0.60	1.18	0.35	1.71	54	56.00	-2.00	10	0.26	-7.69
1	Kawasaki Mule	3/21/2014	1	1	0	0.40	-0.40	0.63	0.35	-1.14	56	56.00	0.00	11	0.26	0.00
2	Kawasaki Mule	3/21/2014	1	1	1	0.40	0.60	1.18	0.35	1.71	62	56.00	6.00	11	0.26	23.08
3	Kawasaki Mule	3/21/2014	1	1	1	0.40	0.60	1.18	0.35	1.71	49	56.00	-7.00	10	0.26	-26.92
4	Kawasaki Mule	3/21/2014	1	1	0	0.40	-0.40	0.63	0.35	-1.14	55	56.00	-1.00	11	0.26	-3.85
5	Kawasaki Mule	3/21/2014	1	1	0	0.40	-0.40	0.63	0.35	-1.14	58	56.00	2.00	11	0.26	7.69
6	Kawasaki Mule	3/21/2014	1	1	0	0.40	-0.40	0.63	0.35	-1.14	48	56.00	-8.00	10	0.26	-30.77
7	Kawasaki Mule	3/21/2014	1	1	2	0.40	1.60	1.55	0.35	4.57	56	56.00	0.00	11	0.26	0.00
8	Kawasaki Mule	3/21/2014	1	1	0	0.40	-0.40	0.63	0.35	-1.14	57	56.00	1.00	11	0.26	3.85
1	Pump Hose 1	4/15/2014	1	1	0	0.16	-0.16	0.40	0.14	-1.14	48	50.16	-2.16	10	0.21	-10.29
2	Pump Hose 1	4/15/2014	1	1	0	0.16	-0.16	0.40	0.14	-1.14	62	50.16	11.84	11	0.21	56.38
3	Pump Hose 1	4/15/2014	1	1	1	0.16	0.84	1.08	0.14	6.00	41	50.16	-9.16	10	0.21	-43.62
4	Pump Hose 1	4/15/2014	1	1	1	0.16	0.84	1.08	0.14	6.00	37	50.16	-13.16	9	0.21	-62.67
5	Pump Hose 2	4/15/2014	1	1	0	0.16	-0.16	0.40	0.14	-1.14	44	50.16	-6.16	10	0.21	-29.33
6	Pump Hose 2	4/15/2014	1	1	0	0.16	-0.16	0.40	0.14	-1.14	49	50.16	-1.16	10	0.21	-5.52
7	Pump Hose 2	4/15/2014	1	1	1	0.16	0.84	1.08	0.14	6.00	36	50.16	-14.16	9	0.21	-67.43
8	Pump Hose 2	4/15/2014	1	1	0	0.16	-0.16	0.40	0.14	-1.14	47	50.16	-3.16	10	0.21	-15.05
9	Pump Hose 3	4/15/2014	1	1	0	0.16	-0.16	0.40	0.14	-1.14	44	50.16	-6.16	10	0.21	-29.33
10	Pump Hose 3	4/15/2014	1	1	0	0.16	-0.16	0.40	0.14	-1.14	54	50.16	3.84	10	0.21	18.29
11	Pump Hose 3	4/15/2014	1	1	0	0.16	-0.16	0.40	0.14	-1.14	41	50.16	-9.16	10	0.21	-43.62
12	Pump Hose 3	4/15/2014	1	1	0	0.16	-0.16	0.40	0.14	-1.14	45	50.16	-5.16	10	0.21	-24.57
13	Pump Hose 4	4/15/2014	1	1	1	0.16	0.84	1.08	0.14	6.00	64	50.16	13.84	11	0.21	65.90
14	Pump Hose 4	4/15/2014	1	1	0	0.16	-0.16	0.40	0.14	-1.14	47	50.16	-3.16	10	0.21	-15.05
15	Pump Hose 4	4/15/2014	1	1	1	0.16	0.84	1.08	0.14	6.00	46	50.16	-4.16	10	0.21	-19.81
16	Pump Hose 4	4/15/2014	1	1	0	0.16	-0.16	0.40	0.14	-1.14	48	50.16	-2.16	10	0.21	-10.29
17	Pump Hose 5	4/15/2014	1	1	0	0.16	-0.16	0.40	0.14	-1.14	43	50.16	-7.16	10	0.21	-34.10
18	Pump Hose 5	4/15/2014	1	1	0	0.16	-0.16	0.40	0.14	-1.14	58	50.16	7.84	10	0.21	37.33
19	Pump Hose 5	4/15/2014	1	1	0	0.16	-0.16	0.40	0.14	-1.14	49	50.16	-1.16	10	0.21	-5.52
20	Pump Hose 5	4/15/2014	1	1	0	0.16	-0.16	0.40	0.14	-1.14	51	50.16	0.84	10	0.21	4.00
1	Decon Pad	4/15/2014	1	1	0	0.16	-0.16	0.40	0.14	-1.14	38	50.16	-12.16	9	0.21	-57.90
2	Decon Pad	4/15/2014	1	1	0	0.16	-0.16	0.40	0.14	-1.14	46	50.16	-4.16	10	0.21	-19.81
3	Decon Pad	4/15/2014	1	1	0	0.16	-0.16	0.40	0.14	-1.14	35	50.16	-15.16	9	0.21	-72.19
4	Decon Pad	4/15/2014	1	1	0	0.16	-0.16	0.40	0.14	-1.14	57	50.16	6.84	10	0.21	32.57

REMOVABLE FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Removable Alpha Free Release Limit 20 dpm/100cm², average

Removable Beta/Gamma Free Release Limit 1,000 dpm/100cm², average

Smear #	Equip ID	Smear Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma\beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
5	Decon Pad	4/15/2014	1	1	0	0.16	-0.16	0.40	0.14	-1.14	50	50.16	-0.16	10	0.21	-0.76
6	Decon Pad	4/15/2014	1	1	1	0.16	0.84	1.08	0.14	6.00	45	50.16	-5.16	10	0.21	-24.57
7	Decon Pad	4/15/2014	1	1	0	0.16	-0.16	0.40	0.14	-1.14	49	50.16	-1.16	10	0.21	-5.52
8	Decon Pad	4/15/2014	1	1	0	0.16	-0.16	0.40	0.14	-1.14	49	50.16	-1.16	10	0.21	-5.52
9	Decon Pad	4/15/2014	1	1	0	0.16	-0.16	0.40	0.14	-1.14	51	50.16	0.84	10	0.21	4.00
10	Decon Pad	4/15/2014	1	1	1	0.16	0.84	1.08	0.14	6.00	52	50.16	1.84	10	0.21	8.76

FIXED FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Fixed Alpha Free Release Limit 100 dpm/100cm², average

Fixed Beta/Gamma Free Release Limit 5,000 dpm/100cm², average

Smear #	Equip ID	Field Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)*	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma \beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
1	Skidsteer **	10/30/2013	1	1	3	3.00	0.00	2.45	0.12	0.00	36	33	3.00	8	0.15	20.00
2	Skidsteer **	10/30/2013	1	1	3	3.00	0.00	2.45	0.12	0.00	35	33	2.00	8	0.15	13.33
3	Skidsteer **	10/30/2013	1	1	3	3.00	0.00	2.45	0.12	0.00	35	33	2.00	8	0.15	13.33
4	Skidsteer **	10/30/2013	1	1	1	3.00	-2.00	2.00	0.12	-16.67	39	33	6.00	8	0.15	40.00
5	Skidsteer **	10/30/2013	1	1	3	3.00	0.00	2.45	0.12	0.00	29	33	-4.00	8	0.15	-26.67
6	Skidsteer **	10/30/2013	1	1	3	3.00	0.00	2.45	0.12	0.00	33	33	0.00	8	0.15	0.00
7	Skidsteer **	10/30/2013	1	1	4	3.00	1.00	2.65	0.12	8.33	45	33	12.00	9	0.15	80.00
8	Skidsteer **	10/30/2013	1	1	2	3.00	-1.00	2.24	0.12	-8.33	28	33	-5.00	8	0.15	-33.33
9	Skidsteer **	10/30/2013	1	1	2	3.00	-1.00	2.24	0.12	-8.33	40	33	7.00	9	0.15	46.67
10	Skidsteer **	10/30/2013	1	1	1	3.00	-2.00	2.00	0.12	-16.67	26	33	-7.00	8	0.15	-46.67
11	Skidsteer **	10/30/2013	1	1	2	3.00	-1.00	2.24	0.12	-8.33	25	33	-8.00	8	0.15	-53.33
12	Skidsteer **	10/30/2013	1	1	1	3.00	-2.00	2.00	0.12	-16.67	44	33	11.00	9	0.15	73.33
1	Water Truck **	10/30/2013	1	1	2	0.27	1.73	1.51	0.12	14.42	30	62	-32.00	10	0.15	-213.33
2	Water Truck **	10/30/2013	1	1	0	0.27	-0.27	0.52	0.12	-2.25	24	62	-38.00	9	0.15	-253.33
3	Water Truck **	10/30/2013	1	1	0	0.27	-0.27	0.52	0.12	-2.25	51	62	-11.00	11	0.15	-73.33
4	Water Truck **	10/30/2013	1	1	1	0.27	0.73	1.13	0.12	6.08	34	62	-28.00	10	0.15	-186.67
5	Water Truck **	10/30/2013	1	1	0	0.27	-0.27	0.52	0.12	-2.25	32	62	-30.00	10	0.15	-200.00
6	Water Truck **	10/30/2013	1	1	2	0.27	1.73	1.51	0.12	14.42	27	62	-35.00	9	0.15	-233.33
7	Water Truck **	10/30/2013	1	1	0	0.27	-0.27	0.52	0.12	-2.25	32	62	-30.00	10	0.15	-200.00
8	Water Truck **	10/30/2013	1	1	0	0.27	-0.27	0.52	0.12	-2.25	42	62	-20.00	10	0.15	-133.33
9	Water Truck **	10/30/2013	1	1	0	0.27	-0.27	0.52	0.12	-2.25	30	62	-32.00	10	0.15	-213.33
10	Water Truck **	10/30/2013	1	1	0	0.27	-0.27	0.52	0.12	-2.25	38	62	-24.00	10	0.15	-160.00
11	Water Truck **	10/30/2013	1	1	1	0.27	0.73	1.13	0.12	6.08	40	62	-22.00	10	0.15	-146.67
12	Water Truck **	10/30/2013	1	1	0	0.27	-0.27	0.52	0.12	-2.25	28	62	-34.00	9	0.15	-226.67
1	1 Meter Rod **	11/12/2013	1	1	0	0.31	-0.31	0.56	0.12	-2.58	27	28	-1.00	7	0.15	-6.67
2	1 Meter Rod **	11/12/2013	1	1	0	0.31	-0.31	0.56	0.12	-2.58	29	28	1.00	8	0.15	6.67
3	1 Meter Rod **	11/12/2013	1	1	1	0.31	0.69	1.14	0.12	5.75	31	28	3.00	8	0.15	20.00
4	1 Meter Rod **	11/12/2013	1	1	1	0.31	0.69	1.14	0.12	5.75	36	28	8.00	8	0.15	53.33
5	1 Meter Rod **	11/12/2013	1	1	0	0.31	-0.31	0.56	0.12	-2.58	28	28	0.00	7	0.15	0.00
6	1 Meter Rod **	11/12/2013	1	1	2	0.31	1.69	1.52	0.12	14.08	34	28	6.00	8	0.15	40.00
7	1 Meter Rod **	11/12/2013	1	1	1	0.31	0.69	1.14	0.12	5.75	29	28	1.00	8	0.15	6.67
1	TC1 **	11/12/2013	1	1	4	0.31	3.69	2.08	0.12	30.75	31	28	3.00	8	0.15	20.00
2	TC1 **	11/12/2013	1	1	1	0.31	0.69	1.14	0.12	5.75	26	28	-2.00	7	0.15	-13.33
3	TC1 **	11/12/2013	1	1	5	0.31	4.69	2.30	0.12	39.08	34	28	6.00	8	0.15	40.00
4	TC1 **	11/12/2013	1	1	4	0.31	3.69	2.08	0.12	30.75	37	28	9.00	8	0.15	60.00
5	TC1 **	11/12/2013	1	1	3	0.31	2.69	1.82	0.12	22.42	38	28	10.00	8	0.15	66.67

FIXED FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Fixed Alpha Free Release Limit 100 dpm/100cm², average

Fixed Beta/Gamma Free Release Limit 5,000 dpm/100cm², average

Smear #	Equip ID	Field Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)*	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma \beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
6	TC1 **	11/12/2013	1	1	1	0.31	0.69	1.14	0.12	5.75	37	28	9.00	8	0.15	60.00
7	TC1 **	11/12/2013	1	1	0	0.31	-0.31	0.56	0.12	-2.58	34	28	6.00	8	0.15	40.00
8	TC1 **	11/12/2013	1	1	1	0.31	0.69	1.14	0.12	5.75	39	28	11.00	8	0.15	73.33
9	TC1 **	11/12/2013	1	1	2	0.31	1.69	1.52	0.12	14.08	36	28	8.00	8	0.15	53.33
10	TC1 **	11/12/2013	1	1	1	0.31	0.69	1.14	0.12	5.75	36	28	8.00	8	0.15	53.33
11	TC1 **	11/12/2013	1	1	1	0.31	0.69	1.14	0.12	5.75	32	28	4.00	8	0.15	26.67
12	TC1 **	11/12/2013	1	1	1	0.31	0.69	1.14	0.12	5.75	33	28	5.00	8	0.15	33.33
1	Conetec Pickup T **	11/15/2013	1	1	3	0.30	2.70	1.82	0.12	22.50	44	38	6.00	9	0.15	40.00
2	Conetec Pickup T **	11/15/2013	1	1	0	0.30	-0.30	0.55	0.12	-2.50	35	38	-3.00	9	0.15	-20.00
3	Conetec Pickup T **	11/15/2013	1	1	1	0.30	0.70	1.14	0.12	5.83	36	38	-2.00	9	0.15	-13.33
4	Conetec Pickup T **	11/15/2013	1	1	1	0.30	0.70	1.14	0.12	5.83	40	38	2.00	9	0.15	13.33
5	Conetec Pickup T **	11/15/2013	1	1	0	0.30	-0.30	0.55	0.12	-2.50	36	38	-2.00	9	0.15	-13.33
6	Conetec Pickup T **	11/15/2013	1	1	1	0.30	0.70	1.14	0.12	5.83	36	38	-2.00	9	0.15	-13.33
7	Conetec Pickup T **	11/15/2013	1	1	1	0.30	0.70	1.14	0.12	5.83	42	38	4.00	9	0.15	26.67
8	Conetec Pickup T **	11/15/2013	1	1	0	0.30	-0.30	0.55	0.12	-2.50	40	38	2.00	9	0.15	13.33
1	Dump Truck **	11/15/2013	1	1	3	0.30	2.70	1.82	0.12	22.50	32	62	-30.00	10	0.15	-200.00
2	Dump Truck **	11/15/2013	1	1	2	0.30	1.70	1.52	0.12	14.17	39	62	-23.00	10	0.15	-153.33
3	Dump Truck **	11/15/2013	1	1	1	0.30	0.70	1.14	0.12	5.83	30	62	-32.00	10	0.15	-213.33
4	Dump Truck **	11/15/2013	1	1	2	0.30	1.70	1.52	0.12	14.17	33	62	-29.00	10	0.15	-193.33
5	Dump Truck **	11/15/2013	1	1	0	0.30	-0.30	0.55	0.12	-2.50	36	62	-26.00	10	0.15	-173.33
6	Dump Truck **	11/15/2013	1	1	1	0.30	0.70	1.14	0.12	5.83	28	62	-34.00	9	0.15	-226.67
7	Dump Truck **	11/15/2013	1	1	3	0.30	2.70	1.82	0.12	22.50	27	62	-35.00	9	0.15	-233.33
8	Dump Truck **	11/15/2013	1	1	1	0.30	0.70	1.14	0.12	5.83	34	62	-28.00	10	0.15	-186.67
9	Dump Truck **	11/15/2013	1	1	1	0.30	0.70	1.14	0.12	5.83	31	62	-31.00	10	0.15	-206.67
10	Dump Truck **	11/15/2013	1	1	2	0.30	1.70	1.52	0.12	14.17	36	62	-26.00	10	0.15	-173.33
11	Dump Truck **	11/15/2013	1	1	2	0.30	1.70	1.52	0.12	14.17	28	62	-34.00	9	0.15	-226.67
12	Dump Truck **	11/15/2013	1	1	3	0.30	2.70	1.82	0.12	22.50	34	62	-28.00	10	0.15	-186.67
1	Skidsteer	11/19/2013	1	1	3	1.00	2.00	2.00	0.19	10.53	143	138	5.00	17	0.13	38.46
2	Skidsteer	11/19/2013	1	1	2	1.00	1.00	1.73	0.19	5.26	137	138	-1.00	17	0.13	-7.69
3	Skidsteer	11/19/2013	1	1	1	1.00	0.00	1.41	0.19	0.00	169	138	31.00	18	0.13	238.46
4	Skidsteer	11/19/2013	1	1	2	1.00	1.00	1.73	0.19	5.26	148	138	10.00	17	0.13	76.92
5	Skidsteer	11/19/2013	1	1	1	1.00	0.00	1.41	0.19	0.00	144	138	6.00	17	0.13	46.15
6	Skidsteer	11/19/2013	1	1	1	1.00	0.00	1.41	0.19	0.00	152	138	14.00	17	0.13	107.69
7	Skidsteer	11/19/2013	1	1	3	1.00	2.00	2.00	0.19	10.53	139	138	1.00	17	0.13	7.69
8	Skidsteer	11/19/2013	1	1	2	1.00	1.00	1.73	0.19	5.26	150	138	12.00	17	0.13	92.31
9	Skidsteer	11/19/2013	1	1	3	1.00	2.00	2.00	0.19	10.53	161	138	23.00	17	0.13	176.92

FIXED FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Fixed Alpha Free Release Limit 100 dpm/100cm², average

Fixed Beta/Gamma Free Release Limit 5,000 dpm/100cm², average

Smear #	Equip ID	Field Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)*	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma \beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
10	Skidsteer	11/19/2013	1	1	2	1.00	1.00	1.73	0.19	5.26	157	138	19.00	17	0.13	146.15
11	Skidsteer	11/19/2013	1	1	2	1.00	1.00	1.73	0.19	5.26	160	138	22.00	17	0.13	169.23
12	Skidsteer	11/19/2013	1	1	2	1.00	1.00	1.73	0.19	5.26	146	138	8.00	17	0.13	61.54
1	Conetec Rig	11/24/2013	1	1	1	0.25	0.75	1.12	0.19	3.95	154	151	3.00	17	0.13	23.08
2	Conetec Rig	11/24/2013	1	1	1	0.25	0.75	1.12	0.19	3.95	144	151	-7.00	17	0.13	-53.85
3	Conetec Rig	11/24/2013	1	1	2	0.25	1.75	1.50	0.19	9.21	184	151	33.00	18	0.13	253.85
4	Conetec Rig	11/24/2013	1	1	1	0.25	0.75	1.12	0.19	3.95	120	151	-31.00	16	0.13	-238.46
5	Conetec Rig	11/24/2013	1	1	1	0.25	0.75	1.12	0.19	3.95	161	151	10.00	18	0.13	76.92
6	Conetec Rig	11/24/2013	1	1	4	0.25	3.75	2.06	0.19	19.74	182	151	31.00	18	0.13	238.46
7	Conetec Rig	11/24/2013	1	1	1	0.25	0.75	1.12	0.19	3.95	162	151	11.00	18	0.13	84.62
8	Conetec Rig	11/24/2013	1	1	1	0.25	0.75	1.12	0.19	3.95	158	151	7.00	18	0.13	53.85
9	Conetec Rig	11/24/2013	1	1	4	0.25	3.75	2.06	0.19	19.74	129	151	-22.00	17	0.13	-169.23
10	Conetec Rig	11/24/2013	1	1	2	0.25	1.75	1.50	0.19	9.21	166	151	15.00	18	0.13	115.38
11	Conetec Rig	11/24/2013	1	1	0	0.25	-0.25	0.50	0.19	-1.32	172	151	21.00	18	0.13	161.54
12	Conetec Rig	11/24/2013	1	1	2	0.25	1.75	1.50	0.19	9.21	169	151	18.00	18	0.13	138.46
1	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	176	172	4.00	19	0.13	30.77
2	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	152	172	-20.00	18	0.13	-153.85
3	TC1	12/3/2013	1	1	0	0.21	-0.21	0.46	0.19	-1.11	134	172	-38.00	17	0.13	-292.31
4	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	138	172	-34.00	18	0.13	-261.54
5	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	143	172	-29.00	18	0.13	-223.08
6	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	153	172	-19.00	18	0.13	-146.15
7	TC1	12/3/2013	1	1	5	0.21	4.79	2.28	0.19	25.21	143	172	-29.00	18	0.13	-223.08
8	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	140	172	-32.00	18	0.13	-246.15
9	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	177	172	5.00	19	0.13	38.46
10	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	130	172	-42.00	17	0.13	-323.08
11	TC1	12/3/2013	1	1	3	0.21	2.79	1.79	0.19	14.68	165	172	-7.00	18	0.13	-53.85
12	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	136	172	-36.00	18	0.13	-276.92
13	TC1	12/3/2013	1	1	3	0.21	2.79	1.79	0.19	14.68	97	172	-75.00	16	0.13	-576.92
14	TC1	12/3/2013	1	1	0	0.21	-0.21	0.46	0.19	-1.11	97	172	-75.00	16	0.13	-576.92
15	TC1	12/3/2013	1	1	4	0.21	3.79	2.05	0.19	19.95	161	172	-11.00	18	0.13	-84.62
16	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	156	172	-16.00	18	0.13	-123.08
17	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	144	172	-28.00	18	0.13	-215.38
18	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	136	172	-36.00	18	0.13	-276.92
19	TC1	12/3/2013	1	1	4	0.21	3.79	2.05	0.19	19.95	135	172	-37.00	18	0.13	-284.62
20	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	139	172	-33.00	18	0.13	-253.85
21	TC1	12/3/2013	1	1	3	0.21	2.79	1.79	0.19	14.68	163	172	-9.00	18	0.13	-69.23

FIXED FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Fixed Alpha Free Release Limit 100 dpm/100cm², average

Fixed Beta/Gamma Free Release Limit 5,000 dpm/100cm², average

Smear #	Equip ID	Field Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)*	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma \beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
22	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	159	172	-13.00	18	0.13	-100.00
23	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	142	172	-30.00	18	0.13	-230.77
24	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	148	172	-24.00	18	0.13	-184.62
25	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	118	172	-54.00	17	0.13	-415.38
26	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	99	172	-73.00	16	0.13	-561.54
27	TC1	12/3/2013	1	1	3	0.21	2.79	1.79	0.19	14.68	96	172	-76.00	16	0.13	-584.62
28	TC1	12/3/2013	1	1	4	0.21	3.79	2.05	0.19	19.95	119	172	-53.00	17	0.13	-407.69
29	TC1	12/3/2013	1	1	4	0.21	3.79	2.05	0.19	19.95	134	172	-38.00	17	0.13	-292.31
30	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	151	172	-21.00	18	0.13	-161.54
31	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	161	172	-11.00	18	0.13	-84.62
32	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	144	172	-28.00	18	0.13	-215.38
33	TC1	12/3/2013	1	1	0	0.21	-0.21	0.46	0.19	-1.11	158	172	-14.00	18	0.13	-107.69
34	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	124	172	-48.00	17	0.13	-369.23
35	TC1	12/3/2013	1	1	0	0.21	-0.21	0.46	0.19	-1.11	165	172	-7.00	18	0.13	-53.85
36	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	165	172	-7.00	18	0.13	-53.85
37	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	191	172	19.00	19	0.13	146.15
38	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	206	172	34.00	19	0.13	261.54
39	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	182	172	10.00	19	0.13	76.92
40	TC1	12/3/2013	1	1	0	0.21	-0.21	0.46	0.19	-1.11	147	172	-25.00	18	0.13	-192.31
41	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	124	172	-48.00	17	0.13	-369.23
42	TC1	12/3/2013	1	1	0	0.21	-0.21	0.46	0.19	-1.11	118	172	-54.00	17	0.13	-415.38
43	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	168	172	-4.00	18	0.13	-30.77
44	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	144	172	-28.00	18	0.13	-215.38
45	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	121	172	-51.00	17	0.13	-392.31
46	TC1	12/3/2013	1	1	0	0.21	-0.21	0.46	0.19	-1.11	109	172	-63.00	17	0.13	-484.62
47	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	175	172	3.00	19	0.13	23.08
48	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	178	172	6.00	19	0.13	46.15
49	TC1	12/3/2013	1	1	4	0.21	3.79	2.05	0.19	19.95	137	172	-35.00	18	0.13	-269.23
50	TC1	12/3/2013	1	1	3	0.21	2.79	1.79	0.19	14.68	132	172	-40.00	17	0.13	-307.69
51	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	160	172	-12.00	18	0.13	-92.31
52	TC1	12/3/2013	1	1	3	0.21	2.79	1.79	0.19	14.68	197	172	25.00	19	0.13	192.31
53	TC1	12/3/2013	1	1	0	0.21	-0.21	0.46	0.19	-1.11	135	172	-37.00	18	0.13	-284.62
54	TC1	12/3/2013	1	1	0	0.21	-0.21	0.46	0.19	-1.11	144	172	-28.00	18	0.13	-215.38
55	TC1	12/3/2013	1	1	0	0.21	-0.21	0.46	0.19	-1.11	165	172	-7.00	18	0.13	-53.85
56	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	142	172	-30.00	18	0.13	-230.77
57	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	151	172	-21.00	18	0.13	-161.54

FIXED FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Fixed Alpha Free Release Limit 100 dpm/100cm², average

Fixed Beta/Gamma Free Release Limit 5,000 dpm/100cm², average

Smear #	Equip ID	Field Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)*	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma \beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
58	TC1	12/3/2013	1	1	0	0.21	-0.21	0.46	0.19	-1.11	132	172	-40.00	17	0.13	-307.69
59	TC1	12/3/2013	1	1	3	0.21	2.79	1.79	0.19	14.68	174	172	2.00	19	0.13	15.38
60	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	136	172	-36.00	18	0.13	-276.92
61	TC1	12/3/2013	1	1	3	0.21	2.79	1.79	0.19	14.68	141	172	-31.00	18	0.13	-238.46
62	TC1	12/3/2013	1	1	0	0.21	-0.21	0.46	0.19	-1.11	147	172	-25.00	18	0.13	-192.31
63	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	144	172	-28.00	18	0.13	-215.38
64	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	168	172	-4.00	18	0.13	-30.77
65	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	144	172	-28.00	18	0.13	-215.38
66	TC1	12/3/2013	1	1	0	0.21	-0.21	0.46	0.19	-1.11	173	172	1.00	19	0.13	7.69
67	TC1	12/3/2013	1	1	0	0.21	-0.21	0.46	0.19	-1.11	162	172	-10.00	18	0.13	-76.92
68	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	140	172	-32.00	18	0.13	-246.15
69	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	164	172	-8.00	18	0.13	-61.54
70	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	142	172	-30.00	18	0.13	-230.77
71	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	144	172	-28.00	18	0.13	-215.38
72	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	151	172	-21.00	18	0.13	-161.54
73	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	163	172	-9.00	18	0.13	-69.23
74	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	170	172	-2.00	18	0.13	-15.38
75	TC1	12/3/2013	1	1	0	0.21	-0.21	0.46	0.19	-1.11	170	172	-2.00	18	0.13	-15.38
76	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	135	172	-37.00	18	0.13	-284.62
77	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	141	172	-31.00	18	0.13	-238.46
78	TC1	12/3/2013	1	1	0	0.21	-0.21	0.46	0.19	-1.11	144	172	-28.00	18	0.13	-215.38
79	TC1	12/3/2013	1	1	0	0.21	-0.21	0.46	0.19	-1.11	160	172	-12.00	18	0.13	-92.31
80	TC1	12/3/2013	1	1	0	0.21	-0.21	0.46	0.19	-1.11	140	172	-32.00	18	0.13	-246.15
81	TC1	12/3/2013	1	1	0	0.21	-0.21	0.46	0.19	-1.11	157	172	-15.00	18	0.13	-115.38
82	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	167	172	-5.00	18	0.13	-38.46
83	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	174	172	2.00	19	0.13	15.38
84	TC1	12/3/2013	1	1	3	0.21	2.79	1.79	0.19	14.68	153	172	-19.00	18	0.13	-146.15
85	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	184	172	12.00	19	0.13	92.31
86	TC1	12/3/2013	1	1	0	0.21	-0.21	0.46	0.19	-1.11	182	172	10.00	19	0.13	76.92
87	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	137	172	-35.00	18	0.13	-269.23
88	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	143	172	-29.00	18	0.13	-223.08
89	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	175	172	3.00	19	0.13	23.08
90	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	192	172	20.00	19	0.13	153.85
91	TC1	12/3/2013	1	1	3	0.21	2.79	1.79	0.19	14.68	152	172	-20.00	18	0.13	-153.85
92	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	148	172	-24.00	18	0.13	-184.62
93	TC1	12/3/2013	1	1	0	0.21	-0.21	0.46	0.19	-1.11	136	172	-36.00	18	0.13	-276.92

FIXED FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Fixed Alpha Free Release Limit 100 dpm/100cm², average

Fixed Beta/Gamma Free Release Limit 5,000 dpm/100cm², average

Smear #	Equip ID	Field Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)*	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma\beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
94	TC1	12/3/2013	1	1	0	0.21	-0.21	0.46	0.19	-1.11	146	172	-26.00	18	0.13	-200.00
95	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	157	172	-15.00	18	0.13	-115.38
96	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	155	172	-17.00	18	0.13	-130.77
97	TC1	12/3/2013	1	1	5	0.21	4.79	2.28	0.19	25.21	178	172	6.00	19	0.13	46.15
98	TC1	12/3/2013	1	1	2	0.21	1.79	1.49	0.19	9.42	160	172	-12.00	18	0.13	-92.31
99	TC1	12/3/2013	1	1	1	0.21	0.79	1.10	0.19	4.16	204	172	32.00	19	0.13	246.15
100	TC1	12/3/2013	1	1	4	0.21	3.79	2.05	0.19	19.95	200	172	28.00	19	0.13	215.38
101	TC1	12/3/2013	1	1	3	0.21	2.79	1.79	0.19	14.68	182	172	10.00	19	0.13	76.92
1	Frontz Flat Bed	1/13/2014	1	1	4	1.00	3.00	2.24	0.19	15.79	100	130	-30.00	15	0.13	-230.77
2	Frontz Flat Bed	1/13/2014	1	1	3	1.00	2.00	2.00	0.19	10.53	111	130	-19.00	16	0.13	-146.15
3	Frontz Flat Bed	1/13/2014	1	1	9	1.00	8.00	3.16	0.19	42.11	189	130	59.00	18	0.13	453.85
4	Frontz Flat Bed	1/13/2014	1	1	0	1.00	-1.00	1.00	0.19	-5.26	173	130	43.00	17	0.13	330.77
5	Frontz Flat Bed	1/13/2014	1	1	1	1.00	0.00	1.41	0.19	0.00	148	130	18.00	17	0.13	138.46
1	Frontz Drill Rig	1/13/2014	1	1	6	1.00	5.00	2.65	0.19	26.32	208	170	38.00	19	0.13	292.31
2	Frontz Drill Rig	1/13/2014	1	1	4	1.00	3.00	2.24	0.19	15.79	160	170	-10.00	18	0.13	-76.92
3	Frontz Drill Rig	1/13/2014	1	1	3	1.00	2.00	2.00	0.19	10.53	173	170	3.00	19	0.13	23.08
4	Frontz Drill Rig	1/13/2014	1	1	3	1.00	2.00	2.00	0.19	10.53	168	170	-2.00	18	0.13	-15.38
5	Frontz Drill Rig	1/13/2014	1	1	7	1.00	6.00	2.83	0.19	31.58	142	170	-28.00	18	0.13	-215.38
6	Frontz Drill Rig	1/13/2014	1	1	2	1.00	1.00	1.73	0.19	5.26	145	170	-25.00	18	0.13	-192.31
7	Frontz Drill Rig	1/13/2014	1	1	3	1.00	2.00	2.00	0.19	10.53	117	170	-53.00	17	0.13	-407.69
8	Frontz Drill Rig	1/13/2014	1	1	1	1.00	0.00	1.41	0.19	0.00	167	170	-3.00	18	0.13	-23.08
9	Frontz Drill Rig	1/13/2014	1	1	2	1.00	1.00	1.73	0.19	5.26	144	170	-26.00	18	0.13	-200.00
10	Frontz Drill Rig	1/13/2014	1	1	4	1.00	3.00	2.24	0.19	15.79	127	170	-43.00	17	0.13	-330.77
11	Frontz Drill Rig	1/13/2014	1	1	9	1.00	8.00	3.16	0.19	42.11	188	170	18.00	19	0.13	138.46
12	Frontz Drill Rig	1/13/2014	1	1	2	1.00	1.00	1.73	0.19	5.26	164	170	-6.00	18	0.13	-46.15
1	Drill Rods	1/13/2014	1	1	4	1.00	3.00	2.24	0.19	15.79	108	154	-46.00	16	0.13	-353.85
2	Drill Rods	1/13/2014	1	1	2	1.00	1.00	1.73	0.19	5.26	102	154	-52.00	16	0.13	-400.00
3	Drill Rods	1/13/2014	1	1	2	1.00	1.00	1.73	0.19	5.26	97	154	-57.00	16	0.13	-438.46
4	Drill Rods	1/13/2014	1	1	4	1.00	3.00	2.24	0.19	15.79	99	154	-55.00	16	0.13	-423.08
5	Drill Rods	1/13/2014	1	1	1	1.00	0.00	1.41	0.19	0.00	94	154	-60.00	16	0.13	-461.54
1	Conex Box	1/14/2014	1	1	3	1.00	2.00	2.00	0.19	10.53	118	142	-24.00	16	0.13	-184.62
2	Conex Box	1/14/2014	1	1	4	1.00	3.00	2.24	0.19	15.79	178	142	36.00	18	0.13	276.92
3	Conex Box	1/14/2014	1	1	4	1.00	3.00	2.24	0.19	15.79	155	142	13.00	17	0.13	100.00
4	Conex Box	1/14/2014	1	1	1	1.00	0.00	1.41	0.19	0.00	162	142	20.00	17	0.13	153.85
5	Conex Box	1/14/2014	1	1	4	1.00	3.00	2.24	0.19	15.79	151	142	9.00	17	0.13	69.23
1	Skidsteer	1/14/2014	1	1	1	0.25	0.75	1.12	0.19	3.95	177	188	-11.00	19	0.13	-84.62

FIXED FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Fixed Alpha Free Release Limit 100 dpm/100cm², average

Fixed Beta/Gamma Free Release Limit 5,000 dpm/100cm², average

Smear #	Equip ID	Field Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)*	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma\beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
2	Skidsteer	1/14/2014	1	1	2	0.25	1.75	1.50	0.19	9.21	172	188	-16.00	19	0.13	-123.08
3	Skidsteer	1/14/2014	1	1	3	0.25	2.75	1.80	0.19	14.47	139	188	-49.00	18	0.13	-376.92
4	Skidsteer	1/14/2014	1	1	1	0.25	0.75	1.12	0.19	3.95	164	188	-24.00	19	0.13	-184.62
5	Skidsteer	1/14/2014	1	1	2	0.25	1.75	1.50	0.19	9.21	208	188	20.00	20	0.13	153.85
1	Service Truck	1/14/2014	1	1	0	1.00	-1.00	1.00	0.19	-5.26	164	157	7.00	18	0.13	53.85
2	Service Truck	1/14/2014	1	1	6	1.00	5.00	2.65	0.19	26.32	171	157	14.00	18	0.13	107.69
3	Service Truck	1/14/2014	1	1	2	1.00	1.00	1.73	0.19	5.26	177	157	20.00	18	0.13	153.85
4	Service Truck	1/14/2014	1	1	0	1.00	-1.00	1.00	0.19	-5.26	104	157	-53.00	16	0.13	-407.69
5	Service Truck	1/14/2014	1	1	1	1.00	0.00	1.41	0.19	0.00	113	157	-44.00	16	0.13	-338.46
1	Conex Box #2	1/15/2014	1	1	4	1.00	3.00	2.24	0.19	15.79	140	140	0.00	17	0.13	0.00
2	Conex Box #2	1/15/2014	1	1	1	1.00	0.00	1.41	0.19	0.00	128	140	-12.00	16	0.13	-92.31
3	Conex Box #2	1/15/2014	1	1	4	1.00	3.00	2.24	0.19	15.79	132	140	-8.00	16	0.13	-61.54
4	Conex Box #2	1/15/2014	1	1	0	1.00	-1.00	1.00	0.19	-5.26	152	140	12.00	17	0.13	92.31
5	Conex Box #2	1/15/2014	1	1	2	1.00	1.00	1.73	0.19	5.26	164	140	24.00	17	0.13	184.62
1	Dump Truck	1/16/2014	1	1	3	1.00	2.00	2.00	0.19	10.53	161	140	21.00	17	0.13	161.54
2	Dump Truck	1/16/2014	1	1	0	1.00	-1.00	1.00	0.19	-5.26	139	140	-1.00	17	0.13	-7.69
3	Dump Truck	1/16/2014	1	1	0	1.00	-1.00	1.00	0.19	-5.26	155	140	15.00	17	0.13	115.38
4	Dump Truck	1/16/2014	1	1	2	1.00	1.00	1.73	0.19	5.26	157	140	17.00	17	0.13	130.77
5	Dump Truck	1/16/2014	1	1	1	1.00	0.00	1.41	0.19	0.00	143	140	3.00	17	0.13	23.08
6	Dump Truck	1/16/2014	1	1	4	1.00	3.00	2.24	0.19	15.79	166	140	26.00	17	0.13	200.00
7	Dump Truck	1/16/2014	1	1	2	1.00	1.00	1.73	0.19	5.26	157	140	17.00	17	0.13	130.77
1	Frontz Service Truck	1/18/2014	1	1	3	1.00	2.00	2.00	0.19	10.53	159	142	17.00	17	0.13	130.77
2	Frontz Service Truck	1/18/2014	1	1	6	1.00	5.00	2.65	0.19	26.32	168	142	26.00	18	0.13	200.00
3	Frontz Service Truck	1/18/2014	1	1	2	1.00	1.00	1.73	0.19	5.26	139	142	-3.00	17	0.13	-23.08
4	Frontz Service Truck	1/18/2014	1	1	2	1.00	1.00	1.73	0.19	5.26	162	142	20.00	17	0.13	153.85
5	Frontz Service Truck	1/18/2014	1	1	4	1.00	3.00	2.24	0.19	15.79	147	142	5.00	17	0.13	38.46
6	Frontz Service Truck	1/18/2014	1	1	2	1.00	1.00	1.73	0.19	5.26	150	142	8.00	17	0.13	61.54
7	Frontz Service Truck	1/18/2014	1	1	5	1.00	4.00	2.45	0.19	21.05	166	142	24.00	18	0.13	184.62
8	Frontz Service Truck	1/18/2014	1	1	2	1.00	1.00	1.73	0.19	5.26	141	142	-1.00	17	0.13	-7.69
1	Dump Truck	1/18/2014	1	1	1	0.27	0.73	1.13	0.19	3.84	133	134	-1.00	16	0.13	-7.69
2	Dump Truck	1/18/2014	1	1	0	0.27	-0.27	0.52	0.19	-1.42	148	134	14.00	17	0.13	107.69
3	Dump Truck	1/18/2014	1	1	2	0.27	1.73	1.51	0.19	9.11	171	134	37.00	17	0.13	284.62
4	Dump Truck	1/18/2014	1	1	0	0.27	-0.27	0.52	0.19	-1.42	150	134	16.00	17	0.13	123.08
5	Dump Truck	1/18/2014	1	1	0	0.27	-0.27	0.52	0.19	-1.42	143	134	9.00	17	0.13	69.23
6	Dump Truck	1/18/2014	1	1	1	0.27	0.73	1.13	0.19	3.84	139	134	5.00	17	0.13	38.46
1	Conetec Rig ***	1/29/2014	1	1	3	0.00	3.00	1.73	0.20	15.00	128	130	-2.00	16	0.15	-13.33

FIXED FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Fixed Alpha Free Release Limit 100 dpm/100cm², average

Fixed Beta/Gamma Free Release Limit 5,000 dpm/100cm², average

Smear #	Equip ID	Field Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)*	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma \beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
2	Conetec Rig ***	1/29/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	128	130	-2.00	16	0.15	-13.33
3	Conetec Rig ***	1/29/2014	1	1	4	0.00	4.00	2.00	0.20	20.00	151	130	21.00	17	0.15	140.00
4	Conetec Rig ***	1/29/2014	1	1	2	0.00	2.00	1.41	0.20	10.00	110	130	-20.00	15	0.15	-133.33
5	Conetec Rig ***	1/29/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	126	130	-4.00	16	0.15	-26.67
6	Conetec Rig ***	1/29/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	135	130	5.00	16	0.15	33.33
7	Conetec Rig ***	1/29/2014	1	1	2	0.00	2.00	1.41	0.20	10.00	125	130	-5.00	16	0.15	-33.33
8	Conetec Rig ***	1/29/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	188	130	58.00	18	0.15	386.67
9	Conetec Rig ***	1/29/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	92	130	-38.00	15	0.15	-253.33
10	Conetec Rig ***	1/29/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	91	130	-39.00	15	0.15	-260.00
1	Frak Tank ***	1/31/2014	1	1	0	0.25	-0.25	0.50	0.20	-1.25	126	136	-10.00	16	0.15	-66.67
2	Frak Tank ***	1/31/2014	1	1	1	0.25	0.75	1.12	0.20	3.75	134	136	-2.00	16	0.15	-13.33
3	Frak Tank ***	1/31/2014	1	1	0	0.25	-0.25	0.50	0.20	-1.25	105	136	-31.00	16	0.15	-206.67
4	Frak Tank ***	1/31/2014	1	1	0	0.25	-0.25	0.50	0.20	-1.25	119	136	-17.00	16	0.15	-113.33
5	Frak Tank ***	1/31/2014	1	1	0	0.25	-0.25	0.50	0.20	-1.25	130	136	-6.00	16	0.15	-40.00
6	Frak Tank ***	1/31/2014	1	1	0	0.25	-0.25	0.50	0.20	-1.25	127	136	-9.00	16	0.15	-60.00
7	Frak Tank ***	1/31/2014	1	1	0	0.25	-0.25	0.50	0.20	-1.25	106	136	-30.00	16	0.15	-200.00
1	Skidsteer ***	2/7/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	137	122	15.00	16	0.15	100.00
2	Skidsteer ***	2/7/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	129	122	7.00	16	0.15	46.67
3	Skidsteer ***	2/7/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	144	122	22.00	16	0.15	146.67
4	Skidsteer ***	2/7/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	140	122	18.00	16	0.15	120.00
5	Skidsteer ***	2/7/2014	1	1	3	1.00	2.00	2.00	0.20	10.00	139	122	17.00	16	0.15	113.33
6	Skidsteer ***	2/7/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	121	122	-1.00	16	0.15	-6.67
7	Skidsteer ***	2/7/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	150	122	28.00	16	0.15	186.67
8	Skidsteer ***	2/7/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	134	122	12.00	16	0.15	80.00
1	Conetec Rig ***	2/7/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	116	92	24.00	14	0.15	160.00
2	Conetec Rig ***	2/7/2014	1	1	3	1.00	2.00	2.00	0.20	10.00	106	92	14.00	14	0.15	93.33
3	Conetec Rig ***	2/7/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	104	92	12.00	14	0.15	80.00
4	Conetec Rig ***	2/7/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	88	92	-4.00	13	0.15	-26.67
5	Conetec Rig ***	2/7/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	76	92	-16.00	13	0.15	-106.67
6	Conetec Rig ***	2/7/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	127	92	35.00	15	0.15	233.33
7	Conetec Rig ***	2/7/2014	1	1	4	1.00	3.00	2.24	0.20	15.00	105	92	13.00	14	0.15	86.67
8	Conetec Rig ***	2/7/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	86	92	-6.00	13	0.15	-40.00
9	Conetec Rig ***	2/7/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	110	92	18.00	14	0.15	120.00
10	Conetec Rig ***	2/7/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	84	92	-8.00	13	0.15	-53.33
11	Conetec Rig ***	2/7/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	152	92	60.00	16	0.15	400.00
12	Conetec Rig ***	2/7/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	130	92	38.00	15	0.15	253.33

FIXED FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Fixed Alpha Free Release Limit 100 dpm/100cm², average

Fixed Beta/Gamma Free Release Limit 5,000 dpm/100cm², average

Smear #	Equip ID	Field Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)*	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma \beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
13	Conetec Rig ***	2/7/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	164	92	72.00	16	0.15	480.00
14	Conetec Rig ***	2/7/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	129	92	37.00	15	0.15	246.67
15	Conetec Rig ***	2/7/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	96	92	4.00	14	0.15	26.67
16	Conetec Rig ***	2/7/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	89	92	-3.00	13	0.15	-20.00
17	Conetec Rig ***	2/7/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	80	92	-12.00	13	0.15	-80.00
18	Conetec Rig ***	2/7/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	94	92	2.00	14	0.15	13.33
19	Conetec Rig ***	2/7/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	77	92	-15.00	13	0.15	-100.00
20	Conetec Rig ***	2/7/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	120	92	28.00	15	0.15	186.67
21	Conetec Rig ***	2/7/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	100	92	8.00	14	0.15	53.33
22	Conetec Rig ***	2/7/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	141	92	49.00	15	0.15	326.67
23	Conetec Rig ***	2/7/2014	1	1	4	1.00	3.00	2.24	0.20	15.00	126	92	34.00	15	0.15	226.67
24	Conetec Rig ***	2/7/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	104	92	12.00	14	0.15	80.00
1	Conetec Rig #2 ***	2/20/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	117	138	-21.00	16	0.15	-140.00
2	Conetec Rig #2 ***	2/20/2014	1	1	2	2.00	0.00	2.00	0.20	0.00	120	138	-18.00	16	0.15	-120.00
3	Conetec Rig #2 ***	2/20/2014	1	1	2	2.00	0.00	2.00	0.20	0.00	113	138	-25.00	16	0.15	-166.67
4	Conetec Rig #2 ***	2/20/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	104	138	-34.00	16	0.15	-226.67
5	Conetec Rig #2 ***	2/20/2014	1	1	2	2.00	0.00	2.00	0.20	0.00	87	138	-51.00	15	0.15	-340.00
6	Conetec Rig #2 ***	2/20/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	96	138	-42.00	15	0.15	-280.00
7	Conetec Rig #2 ***	2/20/2014	1	1	2	2.00	0.00	2.00	0.20	0.00	83	138	-55.00	15	0.15	-366.67
8	Conetec Rig #2 ***	2/20/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	79	138	-59.00	15	0.15	-393.33
9	Conetec Rig #2 ***	2/20/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	116	138	-22.00	16	0.15	-146.67
10	Conetec Rig #2 ***	2/20/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	128	138	-10.00	16	0.15	-66.67
11	Conetec Rig #2 ***	2/20/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	156	138	18.00	17	0.15	120.00
12	Conetec Rig #2 ***	2/20/2014	1	1	2	2.00	0.00	2.00	0.20	0.00	144	138	6.00	17	0.15	40.00
13	Conetec Rig #2 ***	2/20/2014	1	1	4	2.00	2.00	2.45	0.20	10.00	184	138	46.00	18	0.15	306.67
14	Conetec Rig #2 ***	2/20/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	119	138	-19.00	16	0.15	-126.67
15	Conetec Rig #2 ***	2/20/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	126	138	-12.00	16	0.15	-80.00
16	Conetec Rig #2 ***	2/20/2014	1	1	3	2.00	1.00	2.24	0.20	5.00	126	138	-12.00	16	0.15	-80.00
17	Conetec Rig #2 ***	2/20/2014	1	1	2	2.00	0.00	2.00	0.20	0.00	114	138	-24.00	16	0.15	-160.00
18	Conetec Rig #2 ***	2/20/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	183	138	45.00	18	0.15	300.00
19	Conetec Rig #2 ***	2/20/2014	1	1	4	2.00	2.00	2.45	0.20	10.00	141	138	3.00	17	0.15	20.00
20	Conetec Rig #2 ***	2/20/2014	1	1	2	2.00	0.00	2.00	0.20	0.00	126	138	-12.00	16	0.15	-80.00
21	Conetec Rig #2 ***	2/20/2014	1	1	4	2.00	2.00	2.45	0.20	10.00	200	138	62.00	18	0.15	413.33
22	Conetec Rig #2 ***	2/20/2014	1	1	5	2.00	3.00	2.65	0.20	15.00	207	138	69.00	19	0.15	460.00
23	Conetec Rig #2 ***	2/20/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	155	138	17.00	17	0.15	113.33
24	Conetec Rig #2 ***	2/20/2014	1	1	2	2.00	0.00	2.00	0.20	0.00	158	138	20.00	17	0.15	133.33

FIXED FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Fixed Alpha Free Release Limit 100 dpm/100cm², average

Fixed Beta/Gamma Free Release Limit 5,000 dpm/100cm², average

Smear #	Equip ID	Field Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)*	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma \beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
25	Conetec Rig #2 ***	2/20/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	164	138	26.00	17	0.15	173.33
1	Skidsteer ***	2/20/2014	1	1	4	0.00	4.00	2.00	0.20	20.00	152	173	-21.00	18	0.15	-140.00
2	Skidsteer ***	2/20/2014	1	1	3	0.00	3.00	1.73	0.20	15.00	158	173	-15.00	18	0.15	-100.00
3	Skidsteer ***	2/20/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	170	173	-3.00	19	0.15	-20.00
4	Skidsteer ***	2/20/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	162	173	-11.00	18	0.15	-73.33
5	Skidsteer ***	2/20/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	169	173	-4.00	18	0.15	-26.67
6	Skidsteer ***	2/20/2014	1	1	2	0.00	2.00	1.41	0.20	10.00	177	173	4.00	19	0.15	26.67
7	Skidsteer ***	2/20/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	148	173	-25.00	18	0.15	-166.67
1	Main Trailer ***	2/21/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	158	136	22.00	17	0.15	146.67
2	Main Trailer ***	2/21/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	157	136	21.00	17	0.15	140.00
3	Main Trailer ***	2/21/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	148	136	12.00	17	0.15	80.00
4	Main Trailer ***	2/21/2014	1	1	4	2.00	2.00	2.45	0.20	10.00	151	136	15.00	17	0.15	100.00
5	Main Trailer ***	2/21/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	133	136	-3.00	16	0.15	-20.00
6	Main Trailer ***	2/21/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	137	136	1.00	17	0.15	6.67
7	Main Trailer ***	2/21/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	171	136	35.00	18	0.15	233.33
8	Main Trailer ***	2/21/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	174	136	38.00	18	0.15	253.33
9	Main Trailer ***	2/21/2014	1	1	3	2.00	1.00	2.24	0.20	5.00	145	136	9.00	17	0.15	60.00
10	Main Trailer ***	2/21/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	152	136	16.00	17	0.15	106.67
1	Conetec Grout/Bucket ***	2/25/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	159	127	32.00	17	0.15	213.33
2	Conetec Grout/Bucket ***	2/25/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	163	127	36.00	17	0.15	240.00
3	Conetec Grout/Bucket ***	2/25/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	139	127	12.00	16	0.15	80.00
4	Conetec Grout/Bucket ***	2/25/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	118	127	-9.00	16	0.15	-60.00
5	Conetec Grout/Bucket ***	2/25/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	144	127	17.00	16	0.15	113.33
6	Conetec Grout/Bucket ***	2/25/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	132	127	5.00	16	0.15	33.33
7	Conetec Grout/Bucket ***	2/25/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	156	127	29.00	17	0.15	193.33
8	Conetec Grout/Bucket ***	2/25/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	148	127	21.00	17	0.15	140.00
9	Conetec Grout/Bucket ***	2/25/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	199	127	72.00	18	0.15	480.00
10	Conetec Grout/Bucket ***	2/25/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	138	127	11.00	16	0.15	73.33
1	Frontz Skidsteer ***	2/26/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	149	131	18.00	17	0.15	120.00
2	Frontz Skidsteer ***	2/26/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	128	131	-3.00	16	0.15	-20.00
3	Frontz Skidsteer ***	2/26/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	142	131	11.00	17	0.15	73.33
4	Frontz Skidsteer ***	2/26/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	155	131	24.00	17	0.15	160.00
5	Frontz Skidsteer ***	2/26/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	148	131	17.00	17	0.15	113.33
6	Frontz Skidsteer ***	2/26/2014	1	1	4	1.00	3.00	2.24	0.20	15.00	152	131	21.00	17	0.15	140.00
7	Frontz Skidsteer ***	2/26/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	156	131	25.00	17	0.15	166.67
8	Frontz Skidsteer ***	2/26/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	141	131	10.00	16	0.15	66.67

FIXED FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Fixed Alpha Free Release Limit 100 dpm/100cm², average

Fixed Beta/Gamma Free Release Limit 5,000 dpm/100cm², average

Smear #	Equip ID	Field Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)*	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma \beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
9	Frontz Skidsteer ***	2/26/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	139	131	8.00	16	0.15	53.33
10	Frontz Skidsteer ***	2/26/2014	1	1	3	1.00	2.00	2.00	0.20	10.00	148	131	17.00	17	0.15	113.33
1	Frontz Flat Bed ***	2/26/2014	1	1	4	1.00	3.00	2.24	0.20	15.00	146	140	6.00	17	0.15	40.00
2	Frontz Flat Bed ***	2/26/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	141	140	1.00	17	0.15	6.67
3	Frontz Flat Bed ***	2/26/2014	1	1	3	1.00	2.00	2.00	0.20	10.00	147	140	7.00	17	0.15	46.67
4	Frontz Flat Bed ***	2/26/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	125	140	-15.00	16	0.15	-100.00
5	Frontz Flat Bed ***	2/26/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	153	140	13.00	17	0.15	86.67
6	Frontz Flat Bed ***	2/26/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	123	140	-17.00	16	0.15	-113.33
7	Frontz Flat Bed ***	2/26/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	134	140	-6.00	17	0.15	-40.00
8	Frontz Flat Bed ***	2/26/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	113	140	-27.00	16	0.15	-180.00
9	Frontz Flat Bed ***	2/26/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	123	140	-17.00	16	0.15	-113.33
10	Frontz Flat Bed ***	2/26/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	120	140	-20.00	16	0.15	-133.33
1	Frontz Drill Rig ***	2/26/2014	1	1	5	1.00	4.00	2.45	0.20	20.00	166	159	7.00	18	0.15	46.67
2	Frontz Drill Rig ***	2/26/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	182	159	23.00	18	0.15	153.33
3	Frontz Drill Rig ***	2/26/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	192	159	33.00	19	0.15	220.00
4	Frontz Drill Rig ***	2/26/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	146	159	-13.00	17	0.15	-86.67
5	Frontz Drill Rig ***	2/26/2014	1	1	4	1.00	3.00	2.24	0.20	15.00	126	159	-33.00	17	0.15	-220.00
6	Frontz Drill Rig ***	2/26/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	101	159	-58.00	16	0.15	-386.67
7	Frontz Drill Rig ***	2/26/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	134	159	-25.00	17	0.15	-166.67
8	Frontz Drill Rig ***	2/26/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	105	159	-54.00	16	0.15	-360.00
9	Frontz Drill Rig ***	2/26/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	101	159	-58.00	16	0.15	-386.67
10	Frontz Drill Rig ***	2/26/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	184	159	25.00	19	0.15	166.67
11	Frontz Drill Rig ***	2/26/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	118	159	-41.00	17	0.15	-273.33
12	Frontz Drill Rig ***	2/26/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	77	159	-82.00	15	0.15	-546.67
13	Frontz Drill Rig ***	2/26/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	126	159	-33.00	17	0.15	-220.00
14	Frontz Drill Rig ***	2/26/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	133	159	-26.00	17	0.15	-173.33
15	Frontz Drill Rig ***	2/26/2014	1	1	3	1.00	2.00	2.00	0.20	10.00	101	159	-58.00	16	0.15	-386.67
16	Frontz Drill Rig ***	2/26/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	0	159	-159.00	13	0.15	-1060.00
17	Frontz Drill Rig ***	2/26/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	130	159	-29.00	17	0.15	-193.33
18	Frontz Drill Rig ***	2/26/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	0	159	-159.00	13	0.15	-1060.00
19	Frontz Drill Rig ***	2/26/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	119	159	-40.00	17	0.15	-266.67
20	Frontz Drill Rig ***	2/26/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	0	159	-159.00	13	0.15	-1060.00
21	Frontz Drill Rig ***	2/26/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	130	159	-29.00	17	0.15	-193.33
22	Frontz Drill Rig ***	2/26/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	0	159	-159.00	13	0.15	-1060.00
23	Frontz Drill Rig ***	2/26/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	143	159	-16.00	17	0.15	-106.67
24	Frontz Drill Rig ***	2/26/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	0	159	-159.00	13	0.15	-1060.00

FIXED FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Fixed Alpha Free Release Limit 100 dpm/100cm², average

Fixed Beta/Gamma Free Release Limit 5,000 dpm/100cm², average

Smear #	Equip ID	Field Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)*	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma \beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
25	Frontz Drill Rig ***	2/26/2014	1	1	3	1.00	2.00	2.00	0.20	10.00	105	159	-54.00	16	0.15	-360.00
26	Frontz Drill Rig ***	2/26/2014	1	1	3	1.00	2.00	2.00	0.20	10.00	104	159	-55.00	16	0.15	-366.67
27	Frontz Drill Rig ***	2/26/2014	1	1	4	1.00	3.00	2.24	0.20	15.00	108	159	-51.00	16	0.15	-340.00
28	Frontz Drill Rig ***	2/26/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	142	159	-17.00	17	0.15	-113.33
29	Frontz Drill Rig ***	2/26/2014	1	1	3	1.00	2.00	2.00	0.20	10.00	119	159	-40.00	17	0.15	-266.67
30	Frontz Drill Rig ***	2/26/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	123	159	-36.00	17	0.15	-240.00
31	Frontz Drill Rig ***	2/26/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	106	159	-53.00	16	0.15	-353.33
32	Frontz Drill Rig ***	2/26/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	154	159	-5.00	18	0.15	-33.33
33	Frontz Drill Rig ***	2/26/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	155	159	-4.00	18	0.15	-26.67
34	Frontz Drill Rig ***	2/26/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	127	159	-32.00	17	0.15	-213.33
35	Frontz Drill Rig ***	2/26/2014	1	1	3	1.00	2.00	2.00	0.20	10.00	139	159	-20.00	17	0.15	-133.33
36	Frontz Drill Rig ***	2/26/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	177	159	18.00	18	0.15	120.00
37	Frontz Drill Rig ***	2/26/2014	1	1	3	1.00	2.00	2.00	0.20	10.00	228	159	69.00	20	0.15	460.00
38	Frontz Drill Rig ***	2/26/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	158	159	-1.00	18	0.15	-6.67
39	Frontz Drill Rig ***	2/26/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	106	159	-53.00	16	0.15	-353.33
40	Frontz Drill Rig ***	2/26/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	119	159	-40.00	17	0.15	-266.67
41	Frontz Drill Rig ***	2/26/2014	1	1	3	1.00	2.00	2.00	0.20	10.00	104	159	-55.00	16	0.15	-366.67
1	Geoprobe ***	3/6/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	114	109	5.00	15	0.15	33.33
2	Geoprobe ***	3/6/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	134	109	25.00	16	0.15	166.67
3	Geoprobe ***	3/6/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	103	109	-6.00	15	0.15	-40.00
4	Geoprobe ***	3/6/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	112	109	3.00	15	0.15	20.00
5	Geoprobe ***	3/6/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	149	109	40.00	16	0.15	266.67
6	Geoprobe ***	3/6/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	101	109	-8.00	14	0.15	-53.33
7	Geoprobe ***	3/6/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	119	109	10.00	15	0.15	66.67
9	Skidsteer ***	3/6/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	131	109	22.00	15	0.15	146.67
10	Skidsteer ***	3/6/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	131	109	22.00	15	0.15	146.67
11	Skidsteer ***	3/6/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	128	109	19.00	15	0.15	126.67
12	Skidsteer ***	3/6/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	147	109	38.00	16	0.15	253.33
1	PPE Bag 1 ***	3/6/2014	1	1	2	0.00	2.00	1.41	0.20	10.00	166	150	16.00	18	0.15	106.67
2	PPE Bag 1 ***	3/6/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	133	150	-17.00	17	0.15	-113.33
3	PPE Bag 1 ***	3/6/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	158	150	8.00	18	0.15	53.33
4	PPE Bag 1 ***	3/6/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	142	150	-8.00	17	0.15	-53.33
5	PPE Bag 1 ***	3/6/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	159	150	9.00	18	0.15	60.00
6	PPE Bag 1 ***	3/6/2014	1	1	2	0.00	2.00	1.41	0.20	10.00	134	150	-16.00	17	0.15	-106.67
7	PPE Bag 1 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	145	150	-5.00	17	0.15	-33.33
8	PPE Bag 1 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	172	150	22.00	18	0.15	146.67

FIXED FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Fixed Alpha Free Release Limit 100 dpm/100cm², average

Fixed Beta/Gamma Free Release Limit 5,000 dpm/100cm², average

Smear #	Equip ID	Field Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)*	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma \beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
9	PPE Bag 1 ***	3/6/2014	1	1	3	0.00	3.00	1.73	0.20	15.00	161	150	11.00	18	0.15	73.33
10	PPE Bag 1 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	144	150	-6.00	17	0.15	-40.00
11	PPE Bag 2 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	160	150	10.00	18	0.15	66.67
12	PPE Bag 2 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	145	150	-5.00	17	0.15	-33.33
13	PPE Bag 2 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	156	150	6.00	17	0.15	40.00
14	PPE Bag 2 ***	3/6/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	165	150	15.00	18	0.15	100.00
15	PPE Bag 2 ***	3/6/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	148	150	-2.00	17	0.15	-13.33
16	PPE Bag 2 ***	3/6/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	142	150	-8.00	17	0.15	-53.33
17	PPE Bag 2 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	166	150	16.00	18	0.15	106.67
18	PPE Bag 2 ***	3/6/2014	1	1	2	0.00	2.00	1.41	0.20	10.00	165	150	15.00	18	0.15	100.00
19	PPE Bag 2 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	140	150	-10.00	17	0.15	-66.67
20	PPE Bag 2 ***	3/6/2014	1	1	2	0.00	2.00	1.41	0.20	10.00	138	150	-12.00	17	0.15	-80.00
21	PPE Bag 3 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	146	150	-4.00	17	0.15	-26.67
22	PPE Bag 3 ***	3/6/2014	1	1	2	0.00	2.00	1.41	0.20	10.00	165	150	15.00	18	0.15	100.00
23	PPE Bag 3 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	142	150	-8.00	17	0.15	-53.33
24	PPE Bag 3 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	135	150	-15.00	17	0.15	-100.00
25	PPE Bag 3 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	164	150	14.00	18	0.15	93.33
26	PPE Bag 3 ***	3/6/2014	1	1	2	0.00	2.00	1.41	0.20	10.00	143	150	-7.00	17	0.15	-46.67
27	PPE Bag 3 ***	3/6/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	151	150	1.00	17	0.15	6.67
28	PPE Bag 3 ***	3/6/2014	1	1	2	0.00	2.00	1.41	0.20	10.00	158	150	8.00	18	0.15	53.33
29	PPE Bag 3 ***	3/6/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	154	150	4.00	17	0.15	26.67
30	PPE Bag 3 ***	3/6/2014	1	1	2	0.00	2.00	1.41	0.20	10.00	166	150	16.00	18	0.15	106.67
31	PPE Bag 4 ***	3/6/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	135	150	-15.00	17	0.15	-100.00
32	PPE Bag 4 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	144	150	-6.00	17	0.15	-40.00
33	PPE Bag 4 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	165	150	15.00	18	0.15	100.00
34	PPE Bag 4 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	122	150	-28.00	16	0.15	-186.67
35	PPE Bag 4 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	143	150	-7.00	17	0.15	-46.67
36	PPE Bag 4 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	166	150	16.00	18	0.15	106.67
37	PPE Bag 4 ***	3/6/2014	1	1	2	0.00	2.00	1.41	0.20	10.00	170	150	20.00	18	0.15	133.33
38	PPE Bag 4 ***	3/6/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	136	150	-14.00	17	0.15	-93.33
39	PPE Bag 4 ***	3/6/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	165	150	15.00	18	0.15	100.00
40	PPE Bag 4 ***	3/6/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	135	150	-15.00	17	0.15	-100.00
41	PPE Bag 5 ***	3/6/2014	1	1	2	0.00	2.00	1.41	0.20	10.00	138	150	-12.00	17	0.15	-80.00
42	PPE Bag 5 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	178	150	28.00	18	0.15	186.67
43	PPE Bag 5 ***	3/6/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	137	150	-13.00	17	0.15	-86.67
44	PPE Bag 5 ***	3/6/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	142	150	-8.00	17	0.15	-53.33

FIXED FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Fixed Alpha Free Release Limit 100 dpm/100cm², average

Fixed Beta/Gamma Free Release Limit 5,000 dpm/100cm², average

Smear #	Equip ID	Field Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)*	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma \beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
45	PPE Bag 5 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	149	150	-1.00	17	0.15	-6.67
46	PPE Bag 5 ***	3/6/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	142	150	-8.00	17	0.15	-53.33
47	PPE Bag 5 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	169	150	19.00	18	0.15	126.67
48	PPE Bag 5 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	158	150	8.00	18	0.15	53.33
49	PPE Bag 5 ***	3/6/2014	1	1	2	0.00	2.00	1.41	0.20	10.00	135	150	-15.00	17	0.15	-100.00
50	PPE Bag 5 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	133	150	-17.00	17	0.15	-113.33
51	PPE Bag 6 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	135	150	-15.00	17	0.15	-100.00
52	PPE Bag 6 ***	3/6/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	138	150	-12.00	17	0.15	-80.00
53	PPE Bag 6 ***	3/6/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	158	150	8.00	18	0.15	53.33
54	PPE Bag 6 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	131	150	-19.00	17	0.15	-126.67
55	PPE Bag 6 ***	3/6/2014	1	1	2	0.00	2.00	1.41	0.20	10.00	166	150	16.00	18	0.15	106.67
56	PPE Bag 6 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	182	150	32.00	18	0.15	213.33
57	PPE Bag 6 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	206	150	56.00	19	0.15	373.33
58	PPE Bag 6 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	150	150	0.00	17	0.15	0.00
59	PPE Bag 6 ***	3/6/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	115	150	-35.00	16	0.15	-233.33
60	PPE Bag 6 ***	3/6/2014	1	1	2	0.00	2.00	1.41	0.20	10.00	131	150	-19.00	17	0.15	-126.67
61	PPE Bag 7 ***	3/6/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	130	150	-20.00	17	0.15	-133.33
62	PPE Bag 7 ***	3/6/2014	1	1	2	0.00	2.00	1.41	0.20	10.00	158	150	8.00	18	0.15	53.33
63	PPE Bag 7 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	140	150	-10.00	17	0.15	-66.67
64	PPE Bag 7 ***	3/6/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	149	150	-1.00	17	0.15	-6.67
65	PPE Bag 7 ***	3/6/2014	1	1	3	0.00	3.00	1.73	0.20	15.00	142	150	-8.00	17	0.15	-53.33
66	PPE Bag 7 ***	3/6/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	113	150	-37.00	16	0.15	-246.67
67	PPE Bag 7 ***	3/6/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	150	150	0.00	17	0.15	0.00
68	PPE Bag 7 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	167	150	17.00	18	0.15	113.33
69	PPE Bag 7 ***	3/6/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	136	150	-14.00	17	0.15	-93.33
70	PPE Bag 7 ***	3/6/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	148	150	-2.00	17	0.15	-13.33
1	Water Knife Container ***	3/12/2014	1	1	4	0.00	4.00	2.00	0.20	20.00	164	144	20.00	18	0.15	133.33
2	Water Knife Container ***	3/12/2014	1	1	2	0.00	2.00	1.41	0.20	10.00	166	144	22.00	18	0.15	146.67
1	Water Knife Hose ***	3/12/2014	1	1	3	0.00	3.00	1.73	0.20	15.00	163	144	19.00	18	0.15	126.67
2	Water Knife Hose ***	3/12/2014	1	1	3	0.00	3.00	1.73	0.20	15.00	158	144	14.00	17	0.15	93.33
1	Geoprobe 8040 ***	3/13/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	140	151	-11.00	17	0.15	-73.33
2	Geoprobe 8040 ***	3/13/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	99	151	-52.00	16	0.15	-346.67
3	Geoprobe 8040 ***	3/13/2014	1	1	2	2.00	0.00	2.00	0.20	0.00	114	151	-37.00	16	0.15	-246.67
4	Geoprobe 8040 ***	3/13/2014	1	1	5	2.00	3.00	2.65	0.20	15.00	130	151	-21.00	17	0.15	-140.00
5	Geoprobe 8040 ***	3/13/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	126	151	-25.00	17	0.15	-166.67
6	Geoprobe 8040 ***	3/13/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	120	151	-31.00	16	0.15	-206.67

FIXED FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Fixed Alpha Free Release Limit 100 dpm/100cm², average

Fixed Beta/Gamma Free Release Limit 5,000 dpm/100cm², average

Smear #	Equip ID	Field Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)*	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma \beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
7	Geoprobe 8040 ***	3/13/2014	1	1	6	2.00	4.00	2.83	0.20	20.00	111	151	-40.00	16	0.15	-266.67
8	Geoprobe 8040 ***	3/13/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	124	151	-27.00	17	0.15	-180.00
9	Geoprobe 8040 ***	3/13/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	96	151	-55.00	16	0.15	-366.67
10	Geoprobe 8040 ***	3/13/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	120	151	-31.00	16	0.15	-206.67
11	Geoprobe 8040 ***	3/13/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	96	151	-55.00	16	0.15	-366.67
12	Geoprobe 8040 ***	3/13/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	115	151	-36.00	16	0.15	-240.00
13	Geoprobe 8040 ***	3/13/2014	1	1	3	2.00	1.00	2.24	0.20	5.00	105	151	-46.00	16	0.15	-306.67
14	Geoprobe 8040 ***	3/13/2014	1	1	2	2.00	0.00	2.00	0.20	0.00	104	151	-47.00	16	0.15	-313.33
15	Geoprobe 8040 ***	3/13/2014	1	1	4	2.00	2.00	2.45	0.20	10.00	94	151	-57.00	16	0.15	-380.00
16	Geoprobe 8040 ***	3/13/2014	1	1	2	2.00	0.00	2.00	0.20	0.00	98	151	-53.00	16	0.15	-353.33
17	Geoprobe 8040 ***	3/13/2014	1	1	2	2.00	0.00	2.00	0.20	0.00	110	151	-41.00	16	0.15	-273.33
18	Geoprobe 8040 ***	3/13/2014	1	1	2	2.00	0.00	2.00	0.20	0.00	131	151	-20.00	17	0.15	-133.33
19	Geoprobe 8040 ***	3/13/2014	1	1	2	2.00	0.00	2.00	0.20	0.00	117	151	-34.00	16	0.15	-226.67
20	Geoprobe 8040 ***	3/13/2014	1	1	2	2.00	0.00	2.00	0.20	0.00	131	151	-20.00	17	0.15	-133.33
21	Geoprobe 8040 ***	3/13/2014	1	1	3	2.00	1.00	2.24	0.20	5.00	224	151	73.00	19	0.15	486.67
22	Geoprobe 8040 ***	3/13/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	214	151	63.00	19	0.15	420.00
1	Skidsteer T190 ***	3/13/2014	1	1	3	2.00	1.00	2.24	0.20	5.00	158	151	7.00	18	0.15	46.67
2	Skidsteer T190 ***	3/13/2014	1	1	4	2.00	2.00	2.45	0.20	10.00	160	151	9.00	18	0.15	60.00
3	Skidsteer T190 ***	3/13/2014	1	1	3	2.00	1.00	2.24	0.20	5.00	182	151	31.00	18	0.15	206.67
4	Skidsteer T190 ***	3/13/2014	1	1	2	2.00	0.00	2.00	0.20	0.00	128	151	-23.00	17	0.15	-153.33
5	Skidsteer T190 ***	3/13/2014	1	1	3	2.00	1.00	2.24	0.20	5.00	139	151	-12.00	17	0.15	-80.00
6	Skidsteer T190 ***	3/13/2014	1	1	4	2.00	2.00	2.45	0.20	10.00	132	151	-19.00	17	0.15	-126.67
7	Skidsteer T190 ***	3/13/2014	1	1	3	2.00	1.00	2.24	0.20	5.00	139	151	-12.00	17	0.15	-80.00
8	Skidsteer T190 ***	3/13/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	138	151	-13.00	17	0.15	-86.67
1	PPE Bag 1 ***	3/17/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	169	145	24.00	18	0.15	160.00
2	PPE Bag 1 ***	3/17/2014	1	1	2	2.00	0.00	2.00	0.20	0.00	174	145	29.00	18	0.15	193.33
3	PPE Bag 1 ***	3/17/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	135	145	-10.00	17	0.15	-66.67
4	PPE Bag 1 ***	3/17/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	166	145	21.00	18	0.15	140.00
5	PPE Bag 1 ***	3/17/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	158	145	13.00	17	0.15	86.67
6	PPE Bag 1 ***	3/17/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	169	145	24.00	18	0.15	160.00
7	PPE Bag 1 ***	3/17/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	145	145	0.00	17	0.15	0.00
8	PPE Bag 1 ***	3/17/2014	1	1	3	2.00	1.00	2.24	0.20	5.00	140	145	-5.00	17	0.15	-33.33
9	PPE Bag 1 ***	3/17/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	170	145	25.00	18	0.15	166.67
10	PPE Bag 1 ***	3/17/2014	1	1	2	2.00	0.00	2.00	0.20	0.00	157	145	12.00	17	0.15	80.00
11	PPE Bag 2 ***	3/17/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	138	145	-7.00	17	0.15	-46.67
12	PPE Bag 2 ***	3/17/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	166	145	21.00	18	0.15	140.00

FIXED FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Fixed Alpha Free Release Limit 100 dpm/100cm², average

Fixed Beta/Gamma Free Release Limit 5,000 dpm/100cm², average

Smear #	Equip ID	Field Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)*	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma \beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
13	PPE Bag 2 ***	3/17/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	139	145	-6.00	17	0.15	-40.00
14	PPE Bag 2 ***	3/17/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	164	145	19.00	18	0.15	126.67
15	PPE Bag 2 ***	3/17/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	152	145	7.00	17	0.15	46.67
16	PPE Bag 2 ***	3/17/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	159	145	14.00	17	0.15	93.33
17	PPE Bag 2 ***	3/17/2014	1	1	2	2.00	0.00	2.00	0.20	0.00	133	145	-12.00	17	0.15	-80.00
18	PPE Bag 2 ***	3/17/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	181	145	36.00	18	0.15	240.00
19	PPE Bag 2 ***	3/17/2014	1	1	3	2.00	1.00	2.24	0.20	5.00	184	145	39.00	18	0.15	260.00
20	PPE Bag 2 ***	3/17/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	166	145	21.00	18	0.15	140.00
21	PPE Bag 3 ***	3/17/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	175	145	30.00	18	0.15	200.00
22	PPE Bag 3 ***	3/17/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	171	145	26.00	18	0.15	173.33
23	PPE Bag 3 ***	3/17/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	147	145	2.00	17	0.15	13.33
24	PPE Bag 3 ***	3/17/2014	1	1	3	2.00	1.00	2.24	0.20	5.00	166	145	21.00	18	0.15	140.00
25	PPE Bag 3 ***	3/17/2014	1	1	2	2.00	0.00	2.00	0.20	0.00	160	145	15.00	17	0.15	100.00
26	PPE Bag 3 ***	3/17/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	148	145	3.00	17	0.15	20.00
27	PPE Bag 3 ***	3/17/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	147	145	2.00	17	0.15	13.33
28	PPE Bag 3 ***	3/17/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	155	145	10.00	17	0.15	66.67
29	PPE Bag 3 ***	3/17/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	161	145	16.00	17	0.15	106.67
30	PPE Bag 3 ***	3/17/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	168	145	23.00	18	0.15	153.33
31	PPE Bag 4 ***	3/17/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	172	145	27.00	18	0.15	180.00
32	PPE Bag 4 ***	3/17/2014	1	1	2	2.00	0.00	2.00	0.20	0.00	157	145	12.00	17	0.15	80.00
33	PPE Bag 4 ***	3/17/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	164	145	19.00	18	0.15	126.67
34	PPE Bag 4 ***	3/17/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	170	145	25.00	18	0.15	166.67
35	PPE Bag 4 ***	3/17/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	148	145	3.00	17	0.15	20.00
36	PPE Bag 4 ***	3/17/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	153	145	8.00	17	0.15	53.33
37	PPE Bag 4 ***	3/17/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	166	145	21.00	18	0.15	140.00
38	PPE Bag 4 ***	3/17/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	169	145	24.00	18	0.15	160.00
39	PPE Bag 4 ***	3/17/2014	1	1	3	2.00	1.00	2.24	0.20	5.00	142	145	-3.00	17	0.15	-20.00
40	PPE Bag 4 ***	3/17/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	152	145	7.00	17	0.15	46.67
41	PPE Bag 5 ***	3/17/2014	1	1	2	2.00	0.00	2.00	0.20	0.00	158	145	13.00	17	0.15	86.67
42	PPE Bag 5 ***	3/17/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	149	145	4.00	17	0.15	26.67
43	PPE Bag 5 ***	3/17/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	164	145	19.00	18	0.15	126.67
44	PPE Bag 5 ***	3/17/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	163	145	18.00	18	0.15	120.00
45	PPE Bag 5 ***	3/17/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	159	145	14.00	17	0.15	93.33
46	PPE Bag 5 ***	3/17/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	151	145	6.00	17	0.15	40.00
47	PPE Bag 5 ***	3/17/2014	1	1	3	2.00	1.00	2.24	0.20	5.00	165	145	20.00	18	0.15	133.33
48	PPE Bag 5 ***	3/17/2014	1	1	1	2.00	-1.00	1.73	0.20	-5.00	170	145	25.00	18	0.15	166.67

FIXED FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Fixed Alpha Free Release Limit 100 dpm/100cm², average

Fixed Beta/Gamma Free Release Limit 5,000 dpm/100cm², average

Smear #	Equip ID	Field Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)*	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma \beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
49	PPE Bag 5 ***	3/17/2014	1	1	0	2.00	-2.00	1.41	0.20	-10.00	149	145	4.00	17	0.15	26.67
50	PPE Bag 5 ***	3/17/2014	1	1	2	2.00	0.00	2.00	0.20	0.00	157	145	12.00	17	0.15	80.00
1	Decon Pad Liner ***	3/21/2014	1	1	4	1.00	3.00	2.24	0.20	15.00	165	133	32.00	17	0.15	213.33
2	Decon Pad Liner ***	3/21/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	149	133	16.00	17	0.15	106.67
3	Decon Pad Liner ***	3/21/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	159	133	26.00	17	0.15	173.33
4	Decon Pad Liner ***	3/21/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	142	133	9.00	17	0.15	60.00
5	Decon Pad Liner ***	3/21/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	157	133	24.00	17	0.15	160.00
6	Decon Pad Liner ***	3/21/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	154	133	21.00	17	0.15	140.00
7	Decon Pad Liner ***	3/21/2014	1	1	3	1.00	2.00	2.00	0.20	10.00	169	133	36.00	17	0.15	240.00
8	Decon Pad Liner ***	3/21/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	162	133	29.00	17	0.15	193.33
9	Decon Pad Liner ***	3/21/2014	1	1	5	1.00	4.00	2.45	0.20	20.00	166	133	33.00	17	0.15	220.00
10	Decon Pad Liner ***	3/21/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	151	133	18.00	17	0.15	120.00
11	Decon Pad Liner ***	3/21/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	159	133	26.00	17	0.15	173.33
12	Decon Pad Liner ***	3/21/2014	1	1	3	1.00	2.00	2.00	0.20	10.00	158	133	25.00	17	0.15	166.67
13	Decon Pad Liner ***	3/21/2014	1	1	4	1.00	3.00	2.24	0.20	15.00	180	133	47.00	18	0.15	313.33
14	Decon Pad Liner ***	3/21/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	160	133	27.00	17	0.15	180.00
15	Decon Pad Liner ***	3/21/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	153	133	20.00	17	0.15	133.33
16	Decon Pad Liner ***	3/21/2014	1	1	5	1.00	4.00	2.45	0.20	20.00	178	133	45.00	18	0.15	300.00
17	Decon Pad Liner ***	3/21/2014	1	1	4	1.00	3.00	2.24	0.20	15.00	162	133	29.00	17	0.15	193.33
18	Decon Pad Liner ***	3/21/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	172	133	39.00	17	0.15	260.00
19	Decon Pad Liner ***	3/21/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	184	133	51.00	18	0.15	340.00
20	Decon Pad Liner ***	3/21/2014	1	1	8	1.00	7.00	3.00	0.20	35.00	196	133	63.00	18	0.15	420.00
1	Kawasaki Mule ***	3/21/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	104	133	-29.00	15	0.15	-193.33
2	Kawasaki Mule ***	3/21/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	168	133	35.00	17	0.15	233.33
3	Kawasaki Mule ***	3/21/2014	1	1	5	1.00	4.00	2.45	0.20	20.00	158	133	25.00	17	0.15	166.67
4	Kawasaki Mule ***	3/21/2014	1	1	1	1.00	0.00	1.41	0.20	0.00	128	133	-5.00	16	0.15	-33.33
5	Kawasaki Mule ***	3/21/2014	1	1	4	1.00	3.00	2.24	0.20	15.00	150	133	17.00	17	0.15	113.33
6	Kawasaki Mule ***	3/21/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	145	133	12.00	17	0.15	80.00
7	Kawasaki Mule ***	3/21/2014	1	1	2	1.00	1.00	1.73	0.20	5.00	140	133	7.00	17	0.15	46.67
8	Kawasaki Mule ***	3/21/2014	1	1	0	1.00	-1.00	1.00	0.20	-5.00	156	133	23.00	17	0.15	153.33
1	Pump Hose 1 ***	4/15/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	222	154	68.00	19	0.15	453.33
2	Pump Hose 1 ***	4/15/2014	1	1	3	0.00	3.00	1.73	0.20	15.00	264	154	110.00	20	0.15	733.33
3	Pump Hose 1 ***	4/15/2014	1	1	4	0.00	4.00	2.00	0.20	20.00	262	154	108.00	20	0.15	720.00
4	Pump Hose 1 ***	4/15/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	259	154	105.00	20	0.15	700.00
5	Pump Hose 2 ***	4/15/2014	1	1	3	0.00	3.00	1.73	0.20	15.00	247	154	93.00	20	0.15	620.00
6	Pump Hose 2 ***	4/15/2014	1	1	2	0.00	2.00	1.41	0.20	10.00	213	154	59.00	19	0.15	393.33

FIXED FREE RELEASE SURVEY DATA (11/2013 - 4/2014)

Fixed Alpha Free Release Limit 100 dpm/100cm², average

Fixed Beta/Gamma Free Release Limit 5,000 dpm/100cm², average

Smear #	Equip ID	Field Count Date	Count Time (min)	Bkg Count Time (min)	Gross α Counts (cpm)	Bkg α Counts (cpm)*	Net α (cpm)	$\sigma\alpha$ (+/- cpm)	Detector Efficiency α	Net α (dpm)	Gross β/γ Counts (cpm)	Bkg β/γ Counts (cpm)*	Net β/γ (cpm)	$\sigma \beta/\gamma$ (+/- cpm)	Detector Efficiency β/γ	Net β/γ (dpm)
7	Pump Hose 2 ***	4/15/2014	1	1	2	0.00	2.00	1.41	0.20	10.00	234	154	80.00	20	0.15	533.33
8	Pump Hose 2 ***	4/15/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	228	154	74.00	20	0.15	493.33
9	Pump Hose 3 ***	4/15/2014	1	1	2	0.00	2.00	1.41	0.20	10.00	198	154	44.00	19	0.15	293.33
10	Pump Hose 3 ***	4/15/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	247	154	93.00	20	0.15	620.00
11	Pump Hose 3 ***	4/15/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	174	154	20.00	18	0.15	133.33
12	Pump Hose 3 ***	4/15/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	208	154	54.00	19	0.15	360.00
13	Pump Hose 4 ***	4/15/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	220	154	66.00	19	0.15	440.00
14	Pump Hose 4 ***	4/15/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	193	154	39.00	19	0.15	260.00
15	Pump Hose 4 ***	4/15/2014	1	1	2	0.00	2.00	1.41	0.20	10.00	190	154	36.00	19	0.15	240.00
16	Pump Hose 4 ***	4/15/2014	1	1	3	0.00	3.00	1.73	0.20	15.00	181	154	27.00	18	0.15	180.00
17	Pump Hose 5 ***	4/15/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	208	154	54.00	19	0.15	360.00
18	Pump Hose 5 ***	4/15/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	194	154	40.00	19	0.15	266.67
19	Pump Hose 5 ***	4/15/2014	1	1	3	0.00	3.00	1.73	0.20	15.00	169	154	15.00	18	0.15	100.00
20	Pump Hose 5 ***	4/15/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	198	154	44.00	19	0.15	293.33
1	Decon Pad ***	4/15/2014	1	1	0	0.00	0.00	0.00	0.20	0.00	222	154	68.00	19	0.15	453.33
2	Decon Pad ***	4/15/2014	1	1	3	0.00	3.00	1.73	0.20	15.00	201	154	47.00	19	0.15	313.33
3	Decon Pad ***	4/15/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	236	154	82.00	20	0.15	546.67
4	Decon Pad ***	4/15/2014	1	1	2	0.00	2.00	1.41	0.20	10.00	182	154	28.00	18	0.15	186.67
5	Decon Pad ***	4/15/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	197	154	43.00	19	0.15	286.67
6	Decon Pad ***	4/15/2014	1	1	4	0.00	4.00	2.00	0.20	20.00	191	154	37.00	19	0.15	246.67
7	Decon Pad ***	4/15/2014	1	1	2	0.00	2.00	1.41	0.20	10.00	218	154	64.00	19	0.15	426.67
8	Decon Pad ***	4/15/2014	1	1	3	0.00	3.00	1.73	0.20	15.00	204	154	50.00	19	0.15	333.33
9	Decon Pad ***	4/15/2014	1	1	1	0.00	1.00	1.00	0.20	5.00	202	154	48.00	19	0.15	320.00
10	Decon Pad ***	4/15/2014	1	1	2	0.00	2.00	1.41	0.20	10.00	188	154	34.00	18	0.15	226.67


* Background counts in most cases must be taken in the area near the equipment survey, they do not correspond to the daily instrument check-out form backgrounds.

** Beta instrument efficiency provided by Ludlum Measurements, Inc.

*** Alpha and beta instrument efficiency provided by Ludlum Measurements, Inc.

APPENDIX H

INVESTIGATIVE DERIVED WASTE TESTING SUMMARY

			Sample Data - IDW - West Lake Project									
Sample Group Number	Sampling Technology	Date Sample Collected	Location	Sample Identification Number	Sample Type	Sample Depth Description	Date Sample Delivered (by Auxier & Associates) to FedEx	FedEx Tracking Number	Date Sample Delivered (by FedEx) to Eberline Analytical	Eberline Work Order Number	Date Sample Results Received from Eberline	Date Sample Validation Received from Auxier
4	Poly Tank	2/21/2014	N/A	Poly Tank 500 gallon	4 Liter Water	N/A	2/27/2014	804549896835	3/3/2014	14-03005	3/26/2014	7/10/2014
4	Poly Tank	2/21/2014	N/A	Poly Tank 800 gallon	4 Liter Water	N/A	2/27/2014	804549896835	3/3/2014	14-03005	3/26/2014	7/10/2014
9		3/19/2014	50 gal drum sample	FEEBRIS 50-2	soil	N/A	3/22/2014	804549896765	3/25/2014	14-03122 (14-03122 Rev.2)	5/1/14(Rev. 6/17/14)	6/6/14(Rev.7/1/14)
9		3/19/2014	50 gal drum sample	FEEBRIS 50-3	soil	N/A	3/22/2014	804549896765	3/25/2014	14-03122 (14-03122 Rev.2)	5/1/14(Rev. 6/17/14)	6/6/14(Rev.7/1/14)
9		3/19/2014	50 gal drum sample	FEEBRIS 50-4	soil	N/A	3/22/2014	804549896765	3/25/2014	14-03122 (14-03122 Rev.2)	5/1/14(Rev. 6/17/14)	6/6/14(Rev.7/1/14)
9		3/19/2014	50 gal drum sample	FEEBRIS 50-5	soil	N/A	3/22/2014	804549896765	3/25/2014	14-03122 (14-03122 Rev.2)	5/1/14(Rev. 6/17/14)	6/6/14(Rev.7/1/14)
9		3/20/2014	50 gal drum sample	FEEBRIS 50-7	soil	N/A	3/22/2014	804549896765	3/25/2014	14-03122 (14-03122 Rev.2)	5/1/14(Rev. 6/17/14)	6/6/14(Rev.7/1/14)
9		3/20/2014	50 gal drum sample	FEEBRIS 50-8	soil	N/A	3/22/2014	804549896765	3/25/2014	14-03122 (14-03122 Rev.2)	5/1/14(Rev. 6/17/14)	6/6/14(Rev.7/1/14)
9		3/20/2014	50 gal drum sample	FEEBRIS 50-9	soil	N/A	3/22/2014	804549896765	3/25/2014	14-03122 (14-03122 Rev.2)	5/1/14(Rev. 6/17/14)	6/6/14(Rev.7/1/14)
9		3/20/2014	50 gal drum sample	FEEBRIS 50-10	soil	N/A	3/22/2014	804549896765	3/25/2014	14-03122 (14-03122 Rev.2)	5/1/14(Rev. 6/17/14)	6/6/14(Rev.7/1/14)
9		3/20/2014	50 gal drum sample	FEEBRIS 50-11	soil	N/A	3/22/2014	804549896765	3/25/2014	14-03122 (14-03122 Rev.2)	5/1/14(Rev. 6/17/14)	6/6/14(Rev.7/1/14)
9		3/20/2014	50 gal drum sample	FEEBRIS 50-12	soil	N/A	3/22/2014	804549896765	3/25/2014	14-03122 (14-03122 Rev.2)	5/1/14(Rev. 6/17/14)	6/6/14(Rev.7/1/14)
9		3/20/2014	50 gal drum sample	FEEBRIS 50-13	soil	N/A	3/22/2014	804549896765	3/25/2014	14-03122 (14-03122 Rev.2)	5/1/14(Rev. 6/17/14)	6/6/14(Rev.7/1/14)
9		3/20/2014	Sonic drill spoil	FEEBRIS OU-1.SP-001	soil	N/A	3/22/2014	804549896765	3/25/2014	14-03122 (14-03122 Rev.2)	5/1/14(Rev. 6/17/14)	6/6/14(Rev.7/1/14)
10		3/14/2014	100 gal poly tank	FEEBRIW 100-1	4 L water	N/A	3/22/2014	804549896765	3/25/2014	14-03127	4/25/2014	7/10/2014
10		3/14/2014	100 gal poly tank	FEEBRIW 100-2	4 L water	N/A	3/22/2014	804549896765	3/25/2014	14-03127	4/25/2014	7/10/2014
10		3/14/2014	50 gal drum	FEEBRIW 050-1	4 L water	N/A	3/22/2014	804549896765	3/25/2014	14-03127	4/25/2014	7/10/2014
10		3/20/2014	100 gal poly tank	FEEBRIW 100-3	4 L water	N/A	3/22/2014	804549896765	3/25/2014	14-03127	4/25/2014	7/10/2014
10		3/20/2014	50 gal drum	FEEBRIW 050-6	4 L water	N/A	3/22/2014	804549896765	3/25/2014	14-03127	4/25/2014	7/10/2014
12		12/5/2013	Bootwash water	BL001 - 4	water	N/A			12/9/2013	13-12044	7/14/14 (from Auxier & Assoc.)	7/10/2014